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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
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Воронеж (473)204-51-73
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Иркутск (395)279-98-46
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Липецк (4742)52-20-81
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
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Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
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Ставрополь (8652)20-65-13
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Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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Enclosure systems and accessories

Klippon® Protect

Let's connect.



Enclosure systems and accessories

Catalogue 5

Enclosure systems and accessories

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Introduction

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Digitalisation presents you with many new challenges

We will support you to master them

The social and economic changes being caused by digitalisation are also pushing industrial production towards new, data-based services that need to be integrated into the value creation chains in a profitable manner.

Our objective is to support you with the implementation of these new structures and processes right from the start, and to successfully accompany you on new paths in the Industry 4.0 era.

Thanks to the entire range of Weidmüller products, the use of our local production and assembly facilities, and our global sales network, we can lay the very best foundations for a successful partnership with you, our customer.



Whether decentralisation, modularisation, data consistency and transparency or the implementation of completely individual applications in the IoT environment: the factory of the future needs to be able to take on a wide variety of challenges.

With our Klippon® products and services, we have created innovative and future-oriented solutions while setting new standards for applications within a wide range of industries.

Dive into the Klippon® world and discover our innovative products and services.



It's Klippon®

Bringing excellence together

For more than 50 years, Klippon® has been synonymous with innovation, competence, and quality of products and services in the automation technology. Klippon® Services is the most recent extension to the well known, proven Klippon® Connect and Klippon® Protect products. Klippon® Services provides innovative software and assembly services. With Klippon® we are your reliable partner throughout the complete value creation process. Create your competitive advantage with Klippon®.

Your special advantages:

The flexible Klippon® Protect enclosure system is the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our mounted enclosures to offer a custom fit to your requirements and provide excellent protection. Klippon® Services completes our products range with optimal support for your processes.



Klippon® Services combines consultancy, planning, application expertise and industry know-how. You benefit from our one-stop production services. Thereby you will reduce costs, increase efficiency, and simplify quality management. We guarantee quick, quality-focused production and order-based availability. We deliver even individually assembled products anywhere within a short time.



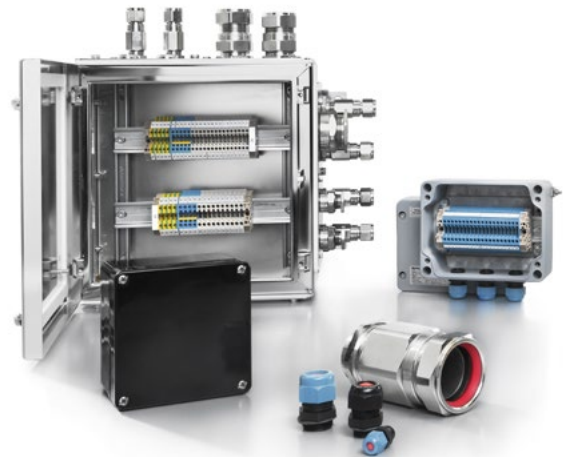
Klippon® Services



Klippon® Connect offers a wide range of tailored application products, universal terminals and in-process services. A complete range of standard solutions and application-specific products, including all conventional connection technologies and functions for your individual application.

Klippon®
Connect

Klippon®
Protect



With Klippon® Protect, you can choose from a wide range of universal and application-specific enclosures. These products cover all relevant approvals required for use in industrial and explosive risk zones. They are flexible enough for optimal adaptation to your requirements.

Klippon® Services – expertise for your requirements

Our service connects worldwide

Planning, engineering, and production processes have to be completed with ever greater speed, precision, and efficiency. Such an increase in efficiency needs innovative tools and processes that optimally support the entire process of product creation and assembly.

With Klippon® Services, we offer a comprehensive, digitalised support for planning and developing, offering and ordering, and assembly and delivery of your distinct product.

By bringing together the entire value chain – backed by efficient software tools, extraordinary expertise, and a technologically leading production – we are answering your requirements concerning a future-orientated, ready-to-install assembly.

Your special advantages:

One-stop configuring, ordering, and delivery of the assembled product: With Klippon® Services you benefit from greater flexibility in your project business. Our services span from reliable planning and professional engineering to manufacturing in perfect quality.



An order will dispatch after just four days from Germany when a certain service level is selected. Order quantities start at one.



Klippon® Services



Fast Delivery Service

Obtain offers 24/7 and within minutes, including directly orderable article numbers. The Weidmüller Configurator (WMC) for planning and configuration is key for consistent processes.



Engineer to Order

We offer highly qualified engineering service for standard or modified products.



Customised Solutions

Our extensive customer consulting, powerful project management, and flexible production enable individual, customised solutions.

Efficient digital engineering

Weidmüller Configurator (WMC) integrates CAE access and direct offer

The choice is yours

Within Klippon® Services the WMC supports you step-by-step as you select and configure your assembled terminal strips and an extensive range of enclosures, including accessories and further Weidmüller products. You decide whether you want to carry out the complete configuration in WMC or whether you want to import data sets from your CAE system and simply transfer them back again after making final adjustments in the WMC. Whichever way you decide to go, you will benefit from centralised documentation that is always up to date, you will avoid transmission errors and you will no longer have to share your sensitive data with a third party. Using STEP, the universal 3D CAD exchange format, you can now also export your WMC solution directly into your CAE system, ensuring complete data consistency in all your systems.

Your special advantages:

Configuration is simple, safe, and convenient because of user-friendly operation, distinct design, and integration in your engineering workflows from planning with CAE to documentation.

Three reasons to start using the Weidmüller Configurator now:

1. Proven configuration designs in real 3D

Digital product information is based on the classification standard eCI@ss advanced. An integrated plausibility and collision control with full digital documentation ensure that your configuration is 100 % reliable.

2. Seamless CAE integration

Integrated interfaces facilitate the simple import and export of product data between the WMC and all commonly-used engineering tools, such as Zuken E³ or EPLAN Electric P8.

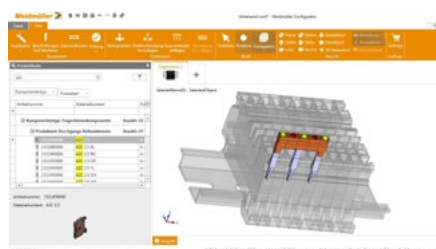
3. Interfaces for automated manufacturing

The WMC provides all necessary digital information for a full automation, such as subsequent assembly, marking with M-Print® PRO, and wiring. This is the key for the fast delivery service.



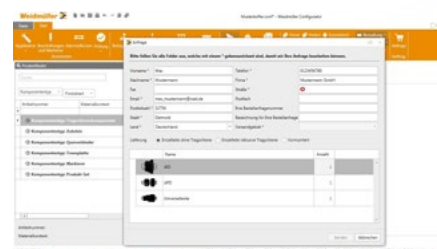
Full engineering support

The product data can be used in engineering systems such as EPLAN Electric P8 or Zuken E³ series. 3D models are available for panel set-up.



Helpful wizard system

The intelligent wizard function documents every step in which a component is assembled and only allows permissible configurations. Mistakes are corrected automatically.



Integrated request function

The selected components can be requested directly – as individual components, pre-installed on a terminal rail, or as an assembled enclosure.

Klippon® Services – focus on your core business

“Fast Delivery Service” enables short-term delivery of assembled products

Today you are confronted with tough challenges in mechanical and plant engineering as well as in control cabinet production. On the one hand, the production of your products is becoming increasingly made to order/ custombuilt and a lot more complex. On the other hand, you have to deal with high price pressures, tight deadlines and short-term change requests. In addition, many products are requested in small quantities.

To meet these growing demands, you need ever more efficient planning and manufacturing processes - and you need to be able to rely on 100% fast and reliable delivery. With our Fast Delivery Service, we offer you both. The integrated concept simplifies your planning, accelerates your manufacturing processes and guarantees the delivery of individually assembled and ready-to-install terminal strips or enclosures within the shortest possible time. In this way, you reduce your costs, increase your flexibility and stay one step ahead of your competitors.



Klippon® Connect and Klippon® Protect

Assembled enclosures with terminal strip, add-on components and optional Ex approval.



Klippon® Protect

Individual empty enclosures with holes, threads or cut-outs according to your specifications – optionally unassembled, equipped or with add-on parts.



WMC – Digital Engineering

Our Weidmüller Configurator (WMC) gives you access to the “Fast Delivery Service”. You can import directly your CAE data.

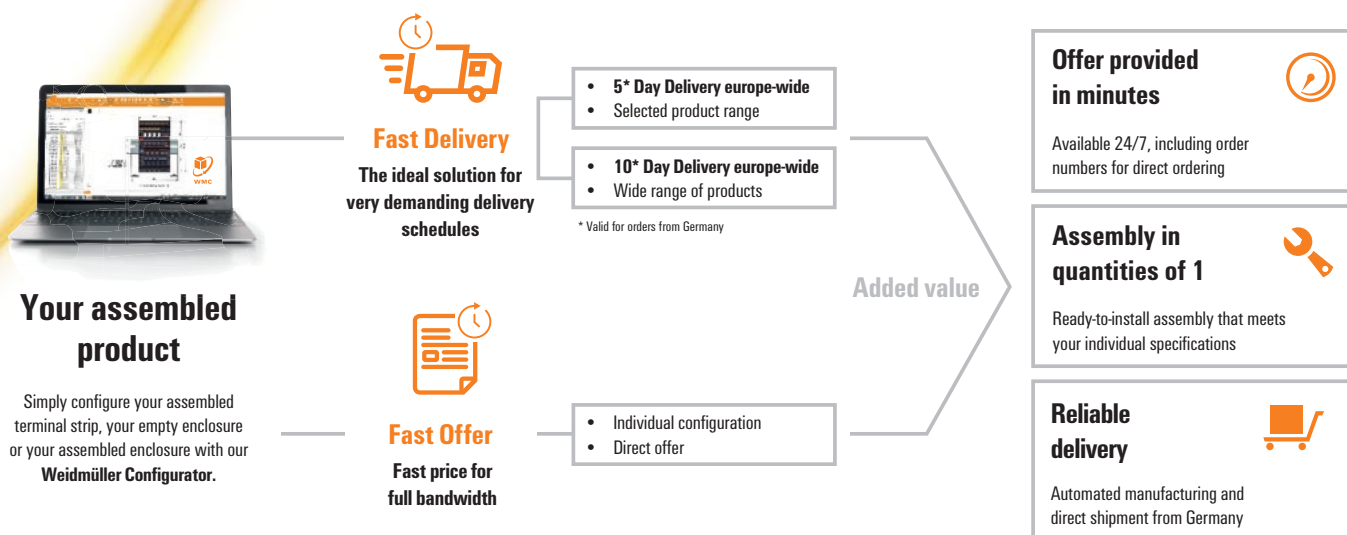


Klippon® Connect

Ready-to-install assembled terminal strips including electronic components - individually manufactured according to your specifications.

Determine your own delivery time thanks to Fast Delivery Service

We offer the choice between 3 service levels



Your advantages at a glance with our Fast Delivery Service



Reduce your costs

Your plants are becoming more and more specific and complex. Therefore, you have to stock many required components in your warehouse. With Fast Delivery, you receive complete assembled products – and can significantly minimise your purchasing and storage costs.



Increase your flexibility

More and more often you have to manufacture small quantities of plants and be prepared for shortterm changes. With Fast Delivery, you get individual terminal strips and enclosures from batch size 1 – and you receive them ready for installation. This increases your flexibility.



Meet your delivery commitments

You must complete and deliver your individual plants within tight time frames. Otherwise, your customers face high costs due to delays and production downtimes. With Fast Delivery, you can speed up all your processes and reliably meet your delivery commitments.

With Klippon® Services you benefit from optimal support

“Engineer to Order” – applications, based on your design

In a globally-orientated world, automation technology functions are becoming more complex by facing ambitious goals toward energy efficiency and smart production. We are your reliable partner for the best connections in Industrial Connectivity with our standard or customised products.



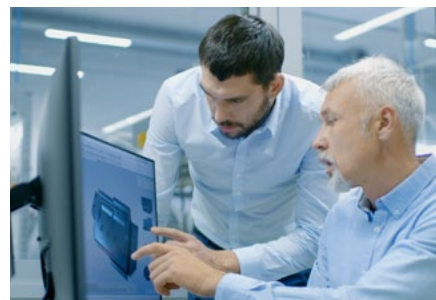
Planning

You can rely on the support of our worldwide network of industrial managers, who know the challenges you face and who can assist with your particular applications.



Engineering

After receiving your requirements, our experts analyse together with you the individual application and start the development process.



Worldwide engineering network

Within our global engineering network, we are combining our expertise with your requirements – worldwide. This expertise allows us to assist you with advice and planning support toward resolving together the everyday challenges of your applications.



Klippon® Services – plan, install, operate

Individual projects need “Customised Solutions”

Our drive is your efficiency. Therefore we accompany you in all phases of your individual project and continuously develop our Klippon® Services product range. Throughout the entire duration of the project, professional project management is at your side so that you know that your products are in good hands up to delivery and beyond. The result are tailor-made products that are precisely tailored to the specific requirements of your project.

Designing and Prototyping

Engineers create design studies and prototypes together with our experienced designers.

Consulting

Our application experts advise you on the development of your individual project solution.



Planning

A flexible, automatised production process ensures high quality products, whether standard or customised.



Operation

Count on our solution-orientated after sales service combined with a complete traceability of the assembled products.



Installation

Reduce your single part orders and stock while we focus on your final product.



Assembly

We combine excellent products for your individual solution. Bringing added value for you and your customers.

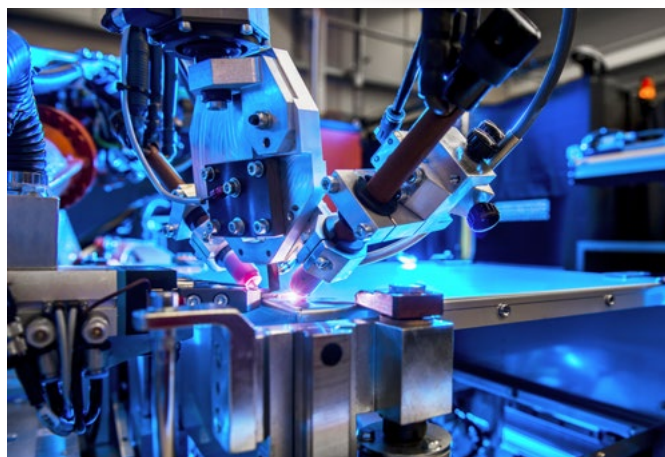
Manufacturing expertise at the highest level

Precision and reliability for your products

Our engineering and manufacturing expertise influences decisions in all areas of modern connection technology. It therefore plays an integral part of every solution. A variety of customised configurations can be constructed and produced at our worldwide assembly facilities according to individual requirements. All this based on maximum process and manufacturing reliability.



Continuous data management enables automated production and makes Industry 4.0 tangible.



Automated processes – here shown for our Klippon® TB enclosure range – ensures a reliable and consistent production process.



Whether you need modified products, pre-assembled terminal rails or complete devices for individual applications: we produce the solutions developed for your application quickly and flexibly.



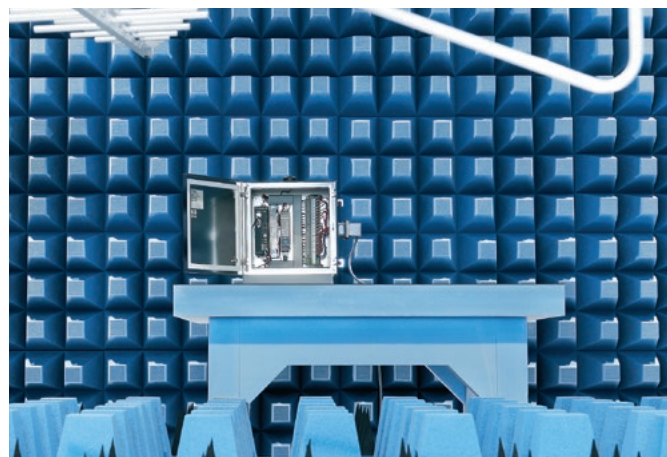
When quality is the key

You demand perfection – we take care of every detail

In the face of the international competition, you demand that all your equipment meets high safety, quality, and performance standards. Our products and services will support you to achieve these goals. We support you to advance new ideas that provide real value for your plant operation. After over 50 years of experience, we can determine the ideal combination of electrotechnical components which best suit your plant. We take into account your plant's specific conditions, including the local standards at its operation site. That's our definition of service.



Our laboratory assures the high quality and functionality of products.



Right from the start, we check exactly which components, materials, and systems are suitable for your application.



With our state-of-the-art processing technology, we ensure the highest quality during production and assembly.



We guarantee fast, quality-orientated production and order-ready product availability.

Klippon® Protect

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Klippon® Protect

Safety and protection for connection solutions

B

We designed the Klippon® Protect enclosure ranges to satisfy the extraordinary protection requirements for field applications. They provide outstanding high-performance features that satisfy the toughest demands within every industry and every application. The universal enclosures Klippon® Protect are made of stainless steel, aluminium, or plastic. Either one guarantees excellent protection for your assembly. With these robust enclosures, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion, and customisation.

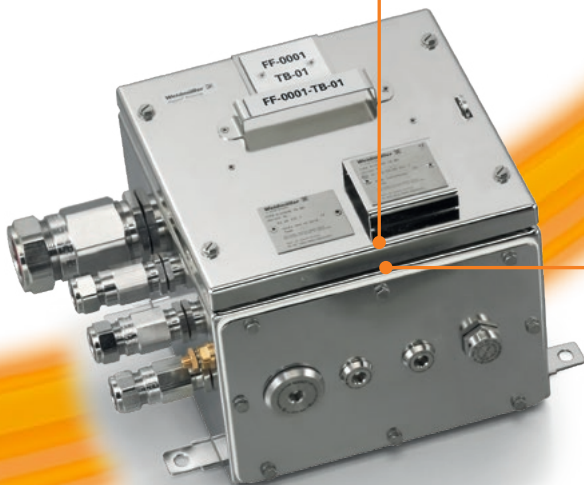
Your special advantages:

- Innovative enclosure concepts for outstanding performance even under extreme environmental conditions
- Robust and secure enclosure with optimised sealing system for the most stringent of protection requirements
- Klippon® Protect products are approved based on the most stringent international quality and safety standards



Reliable protection

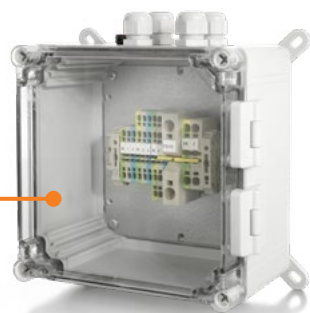
The Klippon® TB has an integrated duct keeping contamination and moisture from penetrating when the enclosure is open. The outer earthing bolt is equipped with an IP67-certified seal mechanism and is protected against accidental rotation.



Temperature and sealing characteristics

All Klippon® TB and Klippon® STB enclosures are equipped with a silicone seal. It protects applications in extreme temperature conditions.





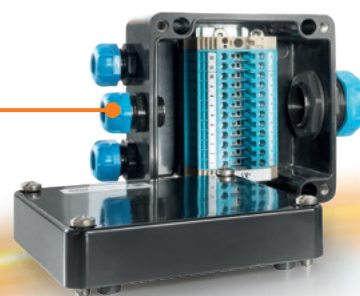
Versatile lid design

The TBF, FPC and MPC enclosures are available with either transparent or grey lids.



High IP protection

The Klippon® K aluminium enclosures are equipped with fully closed seals without adhesive points. The seal ensures an IP protection level from IP66 and up to IP68 – subject to use.



Closed moulded gaskets

The Klippon® POK polyester enclosures gaskets are made of either silicone or chloroprene. The robust and secure sealing enhances ingress protection and increases the performance of each enclosure.



Cable Glands and Cable Entry Systems: perfectly fulfilling your application needs

We offer a variety of add-on components such as cable glands for a multitude of purposes and applications in addition to our extensive Klippon® Protect range. The supplementary cable entry system Cabtite allows connecting a pre-assembled cable to an installation enclosure or cabinet.



Klippon® Protect

Proven solutions for your application

B

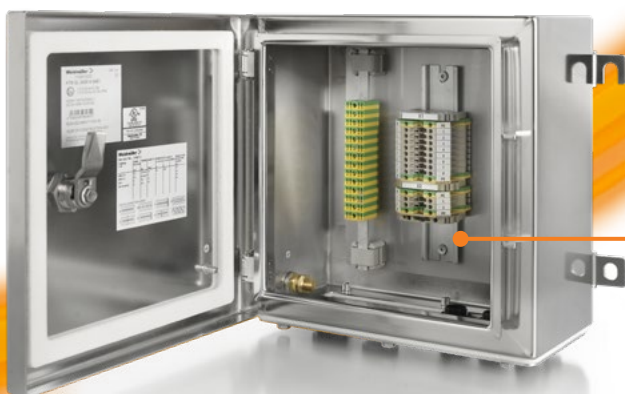
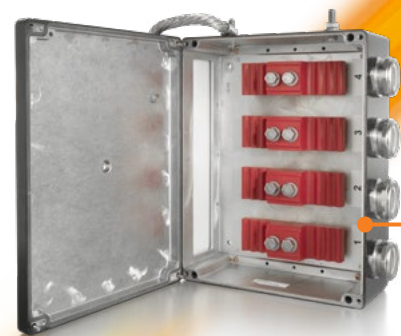
The Klippon® Protect solutions offer a wide range of standard industrial applications and explosive environments applications. The following overview of our Klippon® Protect range will give you an insight into its possibilities, including finding an individual solution.

Application range

Our Klippon® Protect application range provides solutions for monitoring and safety, measurement and control technology, and power distribution. These application solutions are based on high quality and comprehensive approvals for explosive risk zones.

Your special advantages:

- Terminal boxes, command and signalling devices as well as electronic boxes in a consistent enclosure design
- Extremely wide range of standard solutions for maximal safety, reliable functionality and low follow-up costs for maintenance, replacement and storage
- Certified to international standards for explosive risk zones and standard industrial applications such as automation, transportation and energy



Power distribution boxes and interfaces

In a complex environment, the efficient and reliable distribution of electrical energy requires optimally designed interface solutions that respond to the special features of the application. Our high-current terminal solutions offer an excellent interplay with our certified terminals with weather-resistant Klippon® Protect enclosures.

Monitoring and Safety

Through the assembly of units, we provide a myriad of monitoring and safety solutions; including proximeters for vibration measurement, temperature transmitters for monitoring of operating temperature, and eddy current sensors for non-contact distance measurement chains.



Klippon® Protect

B

Measurement and Control systems

Tailored to your respective requirements, the Klippon® Control Station combines control devices and status displays with various electronic components. You receive a turnkey plug-and-play solution – including all required approvals.



Harmonisation – the key to market success

Klippon® Protect is individually tailored to meet the changing and extremely harsh environments of the different industries. Certified to international standards, they also meet the latest ATEX and IECEx regulations for potentially explosive atmospheres in process industries. They have certifications for use in various standard industrial applications, such as automation, railway, transportation, and energy.

Benefit from innovative automation concepts as a success factor

Klippon® products for better performance and more efficient processes

B

The advancing digitalisation of industrial manufacturing processes places ever higher demands on automation technology. Decentralised systems with high flexibility and easy operation are trend. System design, installation process, and plant operation are becoming more complex.

Klippon® products and services are optimally adapted to the requirements of modern automation concepts. They combine highest quality with excellent flexibility and performance – and thus become an integral part of your automation solutions. In the versatile Klippon® product portfolio you will find everything you need to optimise your production systems. The choice is yours.

Your special advantages:

- Wide range of products and services for every application
- Optimised for convenient planning, simple installation and efficient maintenance
- Highest product quality for reliable function and high durability
- Tested safety and conformity to standards
- Perfectly suited for flexible, decentralised automation concepts





Klippon® K

Klippon® K aluminium enclosures ensure a high level of system availability as well as the quick commissioning of your machines. Excellent shock, vibration, and temperature resistance combined with corrosion-resistant materials and surfaces make these enclosures particularly secure and long-lasting.



Klippon® EBi

Klippon® EBi stainless steel enclosures are suitable for both indoor and outdoor use, and can be combined with Klippon® Connect and Klippon® Protect components. They are extremely corrosion resistant and insensitive to dust and spray water. Ideally suited to the decentralised control of your system.



Cabtite

The Cabtite cable management system allows for quick cabling adjustment in the event of system modifications or during service and maintenance work. Modular components guarantee maximum flexibility while simultaneously ensuring a high level of protection.

Increase efficiency and reliability in transportation

Klippon® Protect enclosure solutions for the mobility of the future

B

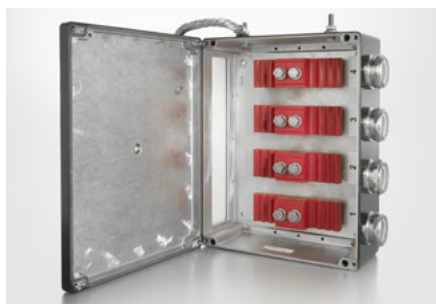
Mobility is becoming more and more important within our society. Increasing globalisation is also bringing rapid growth in the transportation of people and goods between continents. As a result, there is demand for particularly efficient and reliable solutions in the transportation sector.

With secure connection solutions and tailor-made, individually configurable components, we are making a decisive contribution to the transport of the future. Our solutions are certified to the latest industry standards. They are produced using state-of-the-art manufacturing methods and stand for quality, durability and reliability.

Your special advantages:

- Particularly robust and long-lasting solutions
- Future-proof thanks to certification to the latest industry standards
- Resistant to an extremely wide range of external influences
- Optimally suited to the harsh environments typical of the rail and shipping industries
- Versatile use in the entire transport sector





High-current terminal solutions

Our high-current terminals are resistant to vibration, shock, and climatic conditions, making them ideal for use in engine compartments or on train bogies, for example. They can withstand large mechanical stresses and are characterised by their high electromagnetic compatibility.



Klippon® K

Our robust and resistant enclosures feature IP protection from IP66 to IP68, according to requirements. The customer-specific production in our Application Centers ensures quick assembly and a low risk of failure.



Klippon® STB

Extreme stability and corrosion resistance ensure the secure protection of devices and control components even in the harsh environments that are typical of the rail and shipping industries. Optimal sealing properties allow for use in extreme temperature ranges of between -60°C and +100°C.

Comply with international standards in the energy supply sector

Efficient and safe solutions with Klippon®

B

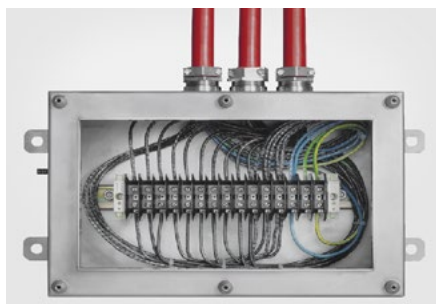
Alongside renewable energies such as wind and solar, the generation of energy from gas, coal and nuclear power will remain a key part of the world's energy mix for a long time to come. Our range of products therefore also features solutions for the specific requirements of the traditional energy sector.

With our complete solutions for all types of energy generation and supply, we can help you to guarantee the safe and reliable operation of your systems while also ensuring maximum availability. We provide you with the right Klippon® products for industrial solutions, harsh environments, explosive risk zones and safety-relevant applications – naturally with all of the market-specific certifications and approvals.

Your special advantages:

- International approvals and certifications
- Modified products for industry-specific requirements
- High resistance to weathering and corrosion
- Resistance to vibration, shock, and climatic conditions
- Compliance with explosion protection guidelines





Customer-specific solutions

Klippon® products are modified, assembled and approved in line with the respective sector. They comply with all of the required standards and guidelines on explosion protection and are resistant to vibrations, shock, and climatic conditions. For safe use in containment or non-containment areas.



Robust plastic enclosure

Klippon® plastic enclosures are extremely resistant to weather and corrosion, making them perfectly suited for use in the photovoltaic sector. International approvals and standards guarantee maximum security.



Intelligent accessories

Cable glands in protection classes IP54 to IP66, IP67 and IP69k are available as accessories. These cable glands are suitable for the most diverse applications and also cover high temperature ranges.

Safely control work processes in hazardous areas on site

Certified Klippon® Protect control and display elements

B

Global demand for energy sources is on the rise. This presents a range of new challenges for the process industry: from research into new energy sources through to their processing and consumption.

Klippon® products satisfy these requirements with innovative technologies and active safety concepts. They ensure secure connections between the interfaces for different areas and guarantee safe, effective, and sustainable operation within the processes. Klippon® Protect control and display elements support all areas of automation within the process industry.

Your special advantages:

- Innovative control and display elements for an extremely wide range of automation applications
- Robust enclosure solutions with comprehensive protection for the assembled components
- Convenient independent engineering with the Weidmüller Configurator
- Professional advice during the engineering process on request
- Certified products that comply with the latest local and international standards including ATEX and IECEx.





Klippon® Control Station

The robust "on-site control station" is available in customer-specific optimised versions, with different enclosure materials and assembled components. Perfect for individual project solutions with international approvals for explosive risk zones.



Klippon® TB

The robust enclosures with electro-polished surfaces are perfectly suited to harsh environments, e.g. for use as distributor enclosures in offshore, food and beverage applications. The sealing system can withstand high operating temperatures and offers IP66/67 protection against moisture and dust.



Klippon® Services

Order specific enclosure solutions with explosion protection for your application, and make the most of the professional consulting and engineering services offered by our advisors – or carry out the engineering work yourself using the Weidmüller Configurator.

Enclosures

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	Klippon® Protect - Terminal Boxes Aluminium - Klippon® K	C.116
	Klippon® Control Station - Aluminium enclosures - Klippon® K	C.118
	Klippon® POK - Polyester enclosures	C.128
	Klippon® Protect - Terminal Boxes Polyester - Klippon® POK	C.150
	Klippon® Control Station - Polyester enclosures - Klippon® POK	C.158
	TBF - Polyester enclosures	C.168
	MPC - Polycarbonate enclosures	C.176
	FPC - Polycarbonate enclosures	C.184

Metal enclosures



	Klippon® TB MH	Klippon® TB QL	Klippon® TB FS	Klippon® EBi QL
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Material Specification	Stainless steel 1.4404 (316L), enclosure 1.50 mm	Stainless steel 1.4404 (316L), enclosure 1.50 mm	Stainless steel 1.4404 (316L), enclosure 1.50 mm	Stainless steel 1.4301 (304), enclosure 1.50 mm, (1.25 mm)
Sea water resistance	very good	very good	very good	very good
UV resistance	very good	very good	very good	very good
Halogen free / cadmium free	x / x	x / x	x / x	x / x
Surface finish	electropolished	electropolished	electropolished	Brushed – grain size 240
Intended use	Explosive hazard areas, offshore, oil and gas industry, chemical industry, process industry	Explosive hazard areas, offshore, oil and gas industry, chemical industry, process industry	Explosive hazard areas, offshore, oil and gas industry, chemical industry, process industry	Machine construction, transport, power
Dimensions				
H x W x D (min.) in mm	229x152x133	229x152x133	229x152x133	300x200x150
H x W x D (max.) in mm	980x740x200	980x740x200	980x740x200	800x600x220
Geometry	3 standard depths	3 standard depths	3 standard depths	2 standard depths
Specific characteristics				
Gland plates	0,1,2,3,4	0,1,2,3,4	0,1,2,3,4	0,1
Type of gasket	Flat gasket	Flat gasket	Flat gasket	Flat gasket and foam seal
Seal material	Silicone	Silicone	Silicone	EPDM, polyurethane (PUR) foam
Enclosure attachment	4 or 6 mounting feet with 11 mm hole size	4 or 6 mounting feet with 11 mm hole size	4 or 6 mounting feet with 11 mm hole size	Direct mounting (9 mm mounting holes on rear wall) or via mounting feet (optionally available)
Installation mounting	4 or 6 mounting bolts with M6 threaded holes	4 or 6 mounting bolts with M6 threaded holes	4 or 6 mounting bolts with M6 threaded holes	Welded mounting bracket
Temperature range	-60 °C...+135 °C (IP66) -60 °C...+105 °C (IP67)	-60 °C...+135 °C	-60 °C...+135 °C (IP66) -60 °C...+105 °C (IP67)	-40 °C...+85 °C
Impact resistance	IK 09 (10J) in accordance with DIN EN 50102 / 7J in accordance with IEC 60079-0	IK 09 (10J) in accordance with DIN EN 50102 / 7J in accordance with IEC 60079-0	IK 09 (10J) in accordance with DIN EN 50102 / 7J in accordance with IEC 60079-0	IK 09 (10J) in accordance with IEC 62208
IP – protection class	IP66, IP67 /	IP66 /	IP66, IP67 /	IP66 /
NEMA protection class	Nema 3, Nema 4x, Nema 12	Nema 3, Nema 4x, Nema 12	Nema 3, Nema 4x, Nema 12	Nema 3, Nema 4x, Nema 5
Flammability rating				
Surface resistance (in ohms)				
Approvals				
ATEX	x	x	x	
AEx	x	x	x	
CCOE / INMETRO	In preparation / x	In preparation / x	In preparation / x	
cULus	x	x	x	x
EAC	x	x	x	
IECEx	x	x	x	
NEPSI / KOSHA	x / x	x / x	x / x	
RMR / LR / DNV GL	x / - / x	x / - / x	x / - / x	- / - / x
Configuration	Lid hinges Removable lid Gland plates Welded mounting feet Fitting for a padlock	Lid hinges Gland plates Welded mounting feet Quarter lock	Removable lid Gland plates Welded mounting feet	Lid hinges Gland plates Direct mounting, Optional mounting feet Quarter lock



	Klippon® STB		Klippon® K	
				
Material	Stainless steel	Sheet steel	Aluminium	
Material Specification	Stainless steel 1.4404 (316L) 1.50 mm	Powder-coated steel sheet 1.0330	High quality aluminium alloy (Al-Si12)	
Sea water resistance	very good	good	good	
UV resistance	very good	insufficient	very good	
Halogen free / cadmium free	x / x	x / x	x / x	
Surface finish	electropolished, Mirror-polish	powder-coated	neutral, powder-coated	
Intended use	Ex areas, packing industry, railways, shipping, process industry	Packing industry, railways, shipping, process industry	Ex-areas, process industry, transport, railways, shipping, port facilities, packaging, mechanical engineering	
Dimensions				
H x W x D (min.) in mm		120x120x80		
H x W x D (max.) in mm		250x400x130		
Geometry		5 standard depths		
Specific characteristics				
		Ex-version	Industrial version	
Gland plates		none	none	
Type of gasket		Flat gasket	Flat gasket	
Seal material		Silicone	Silicone	
Enclosure attachment		External holders with 8 mm holes	External holders with 8 mm holes	
Installation mounting		20 mm C-rail welded to the enclosure	20 mm C-rail welded to the enclosure	
Temperature range		-60 °C...+100 °C	-60 °C...+120 °C	
Impact resistance		7J in accordance with IEC 60079-0	IK 09 (10J) in accordance with DIN EN 50102	
IP – protection class		IP66 / Nema 4, 4x	IP66	
NEMA protection class				
Flammability rating				
Surface resistance (in ohms)				
Approvals				
ATEX		x	x	
AEx		x		
CCOE / INMETRO		- / x		
cULus		x	x	
EAC		x	x	
IECEX		x	x	
NEPSI / KOSHA		- / x		
RMR / LR / DNV GL		x / x / x	x / x / -	
Configuration				
		TAS 20 C-profile rail Welded mounting feet Earth studs in enclosure lid and base		Internal earthing screw in the enclosure base an external earth stud
				internal earthing screw in the enclosure base

Plastic enclosures



	Klippon® POK		TBF	MPC	FPC
					
Material	Polyester		Polyester	Polycarbonate	Polycarbonate
Material Specification	Glass-fibre reinforced polyester in accordance with DIN 16913		Glass-fibre reinforced polyester, polycarbonate transparent cover		
Sea water resistance	very good		very good	very good	very good
UV resistance	good		good	good	good
Halogen free / cadmium free	x / x		x / x	x / x	x / x
Surface finish	Grey (industrial version), Black (Ex version)		grey	grey	grey
Intended use	Ex-areas, energy production, transportation, process industries, port facilities		Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry	Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry	Building installation, transportation, energy production, building sites, manufacturing industry, packaging industry
Dimensions					
H x W x D (min.) in mm	75x80x55		186x151x140	125x75x75	200x200x132
H x W x D (max.) in mm	250x600x120		603x603x175/210	250x175x150	600x400x132
Geometry	5 standard depths		3 standard depths	4 standard depths	1 standard depth
Specific characteristics	Ex version (Black)	Industrial version (grey)			
Gland plates	none	none	none	none	none
Type of gasket	Shaped seal	Shaped seal	O-ring	Foam seal	Foam seal
Seal material	Silicone	Chloroprene	Polyurethane	Polyurethane	Polyurethane
Enclosure attachment	4 holes for M4 to M6 screws	4 holes for M4 to M6 screws	4 holes or external mounting brackets (accessory)	4 holes or external mounting brackets (accessory)	4 holes or external mounting brackets (accessory)
Installation mounting	M4 to M6 threaded holes	M4 to M6 threaded holes	4 or 6 clamping screws M4	Self-tapping screws	Self-tapping screws
Temperature range	-55 °C...+100 °C	-40 °C...+100 °C	-50 °C...+130 °C (Continuous temperature max. 70 °C) (grey); -35°C ...+120°C ((Continuous temperature max. 70 °C) (transparent)	-50 °C...+100 °C (grey); -40 °C...+60 °C (transparent)	-50 °C...+100 °C (grey); -40 °C...+60 °C (transparent)
Impact resistance	7J in accordance with IEC 60079-0	IK 08 (5J) in accordance with DIN EN 50102	IK08 (5J) in accordance with IEC 62208, IK10 (20J) in accordance with IEC 62262	IK 08 (grey), IK 06 (transparent)	IK 08 (grey), IK 06 (transparent)
IP – protection class	IP66	IP66	IP66 (transparent lid) IP67 (grey lid)	IP66, IP67	IP66, IP67
Flammability rating	UL94 V0	UL94 V0	UL94 HB (grey), V2 (transparent)	V2	V2
Surface resistance (in ohms)	<10 ⁹	10 ¹²	10 ¹²	10 ¹⁶	10 ¹⁶
Approvals					
ATEX	x				
AEx	x				
CCOE / INMETRO					
EAC	x	x			
cULus	x	x			
IECEX	x				
NEPSI / KOSHA	- / x				
RMR / LR / DNV GL	x / x / x	- / x / x			
Configuration					
	Fastening screws for the mounting plate		grey or transparent lid	grey or transparent lid	grey or transparent lid

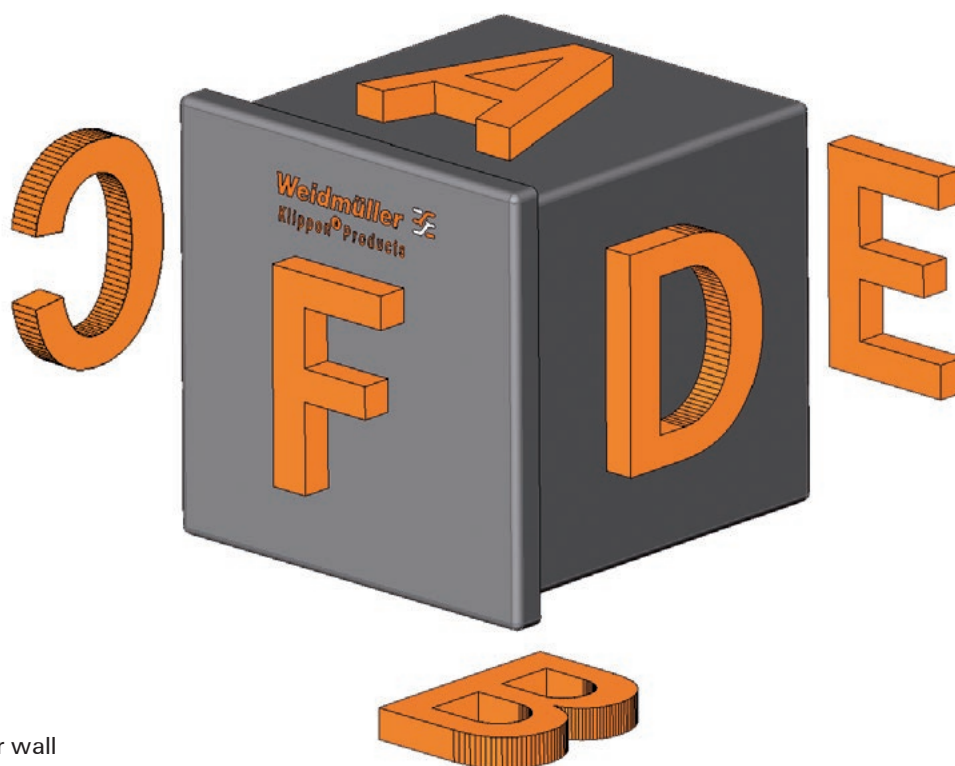
Drawing design – For chapter C

The drawings contained in chapter C are constructed in the following way.

To identify the enclosure side views, these are marked with the letters A, B, C, D, E, and F. The schematic 3D representations shown underneath are of an enclosure that has been wall mounted.

- F** shows the view of the enclosure lid (front aspect),
- E** shows the interior surface of the enclosure (rear wall of the enclosure with the cover removed).
- A** shows the view of the enclosure from above and
- B** the view of the enclosure from underneath.
- C** shows the left and
- D** the right side of the enclosure.
- E** is the front view of the enclosure interior with the cover removed (enclosure rear wall).

You can find the dimensions of the enclosure sides for all enclosure sizes in each drawing.



- A** = Top
- B** = Bottom
- C** = Left
- D** = Right
- E** = Enclosure rear wall
- F** = Enclosure lid

Overview of dimensions

**Klippon® TB MH – Multi Hinge /
Klippon® TB QL – Quarter Lock / Klippon® TB FS – Fixing Screw** Page C.10

		Dimensions in mm Height x width x depth
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	229 x 152 x 133
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	260 x 260 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	260 x 260 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	306 x 306 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	306 x 306 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	350 x 260 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	350 x 260 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	400 x 300 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	400 x 300 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	458 x 382 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	458 x 382 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	480 x 480 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	480 x 480 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	550 x 350 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	550 x 350 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	620 x 450 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	620 x 450 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	762 x 508 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	762 x 508 x 200

Note Additional enclosure sizes available on request.

**Klippon® TB MH – Multi Hinge /
Klippon® TB QL – Quarter Lock / Klippon® TB FS – Fixing Screw** Page C.10

		Dimensions in mm Height x width x depth
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	914 x 610 x 150
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	914 x 610 x 200
	Klippon® TB MH Klippon® TB QL Klippon® TB FS	980 x 740 x 200
Note Additional enclosure sizes available on request.		

Klippon® EBi QL – Quarter Lock Page C.48

		Dimensions in mm Height x width x depth
	Klippon® EBi QL	300 x 200 x 150
	Klippon® EBi QL	300 x 300 x 150
	Klippon® EBi QL	300 x 300 x 220
	Klippon® EBi QL	400 x 300 x 150
	Klippon® EBi QL	400 x 300 x 220
	Klippon® EBi QL	400 x 400 x 220
	Klippon® EBi QL	500 x 400 x 220
	Klippon® EBi QL	500 x 500 x 220
	Klippon® EBi QL	600 x 400 x 220
	Klippon® EBi QL	600 x 600 x 220
	Klippon® EBi QL	800 x 600 x 220

Note Additional enclosure sizes available on request.

Klippon® STB

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	Dimensions in mm Height x width x depth
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	120 x 120 x 80
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	150 x 120 x 80
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	150 x 150 x 90
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	190 x 150 x 90
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	190 x 190 x 100
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	250 x 250 x 120
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	160 x 380 x 120
 1.4404 (316L), mirror polished 1.4404 (316L), electropolished MS RAL 7032	250 x 400 x 130

Information on the net weight of the enclosures can be found in the online catalogue. MS: Mild steel

Klippon® K

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	Dimensions in mm Height x width x depth
 unpainted (S) unpainted (CR) RAL 7001 (CR) RAL 7001 (S)	45 x 50 x 30
 unpainted (S) unpainted (CR) RAL 7001 (CR) RAL 7001 (S)	64 x 58 x 34
 unpainted (S) unpainted (CR) RAL 7001 (CR) RAL 7001 (S)	64 x 98 x 34
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	70 x 70 x 45
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	80 x 75 x 57

Information on the net weight of the enclosures can be found in the online catalogue.

Klippon® K

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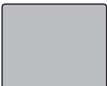
	Dimensions in mm Height x width x depth
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	70 x 100 x 45
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	80 x 125 x 57
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	70 x 165 x 45
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	80 x 175 x 57
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	80 x 250 x 55
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	82 x 130 x 72
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	120 x 122 x 81
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	130 x 170 x 90
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	120 x 220 x 81
 unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	160 x 160 x 91

Information on the net weight of the enclosures can be found in the online catalogue.

Overview of dimensions

Klippon® K

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		Dimensions in mm Height x width x depth
	unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	160 x 200 x 100
	unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	160 x 260 x 91
	unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	160 x 350 x 100
	unpainted Ex (S) unpainted (CR) unpainted (S) RAL 7001 Ex (S) RAL 7001 (CR) RAL 7001 (S)	230 x 280 x 111

Information on the net weight of the enclosures can be found in the online catalogue.

Klippon® POK

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		Dimensions in mm Height x width x depth
	RAL 7001 RAL 9011	75 x 80 x 56
	RAL 7001 RAL 9011	75 x 110 x 55
	RAL 7001 RAL 9011	75 x 160 x 55
	RAL 7001 RAL 9011	75 x 190 x 55
	RAL 7001 RAL 9011	75 x 230 x 55
	RAL 7001 RAL 9011	120 x 122 x 91
	RAL 7001 RAL 9011	120 x 220 x 91
	RAL 7001 RAL 9011	160 x 160 x 91
	RAL 7001 RAL 9011	160 x 260 x 91
	RAL 7001 RAL 9011	160 x 360 x 91

Information on the net weight of the enclosures can be found in the online catalogue.

Klippon® POK

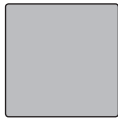
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		Maße [mm] Höhe x Breite x Tiefe	Gewicht [g]
	RAL 7001 RAL 9011	160 x 560 x 91	
	RAL 7001 RAL 9011	250 x 255 x 121	
	RAL 7001 RAL 9011	250 x 400 x 121	
	RAL 7001 RAL 9011	250 x 600 x 121	
	RAL 7001 RAL 9011	405 x 400 x 121	
	RAL 7001 RAL 9011	250 x 255 x 161	
	RAL 7001 RAL 9011	250 x 400 x 161	

Information on the net weight of the enclosures can be found in the online catalogue.

TBF

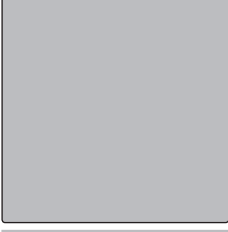
Page C.168

		Dimensions in mm Height x width x depth
	grey lid (RAL7035) transparent lid	186 x 151 x 140
	grey lid (RAL7035) transparent lid	302 x 186 x 175
	grey lid (RAL7035) transparent lid	302 x 302 x 175
	grey lid (RAL7035) transparent lid	372 x 302 x 175

Information on the net weight of the enclosures can be found in the online catalogue.

TBF

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		Dimensions in mm Height x width x depth
	grey lid (RAL7035) transparent lid	488 x 302 x 175 488 x 302 x 210
	grey lid (RAL7035) transparent lid	558 x 302 x 175 558 x 302 x 210
	grey lid (RAL7035) transparent lid	603 x 302 x 175 603 x 302 x 210
	grey lid (RAL7035) transparent lid	603 x 372 x 175 603 x 372 x 210
	grey lid (RAL7035) transparent lid	603 x 605 x 175 603 x 605 x 210

Information on the net weight of the enclosures can be found in the online catalogue.

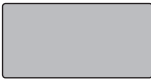
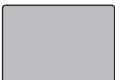
MPC

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		Dimensions in mm Height x width x depth
	grey lid (RAL7035) transparent lid	75 x 125 x 75
	grey lid (RAL7035) transparent lid	75 x 125 x 100/120
	grey lid (RAL7035) transparent lid	120 x 120 x 75/100/120
	grey lid (RAL7035) transparent lid	120 x 175 x 75/100/120/150
	grey lid (RAL7035) transparent lid	175 x 175 x 75/100/120/150
	grey lid (RAL7035) transparent lid	175 x 250 x 100
	grey lid (RAL7035) transparent lid	180 x 250 x 75/150

FPC

Page C.184

		Dimensions in mm Height x width x depth
	grey lid (RAL7035) transparent lid	200 x 200 x 132
	grey lid (RAL7035) transparent lid	200 x 300 x 132
	grey lid (RAL7035) transparent lid	200 x 400 x 132
	grey lid (RAL7035) transparent lid	300 x 300 x 132
	grey lid (RAL7035) transparent lid	300 x 400 x 132
	grey lid (RAL7035) transparent lid	400 x 600 x 132

Information on the net weight of the enclosures can be found in the online catalogue.

Klippon® TB enclosure series

Stainless steel enclosures for use within hazardous areas

The Klippon® TB enclosure series offers excellent performance characteristics and meets the stricter requirements of hazardous areas.

The enclosures are available in twelve sizes and three standard depths. They consist of 1.4404 (316L) stainless steel and meet the requirements of the IP66 and IP67 protection classes. The enclosures are tested with this equipment to the latest international standards, including EN 62208 and EN 60079.

Temperature and sealing characteristics

The enclosures come standard with a silicone seal for use under extreme temperatures.



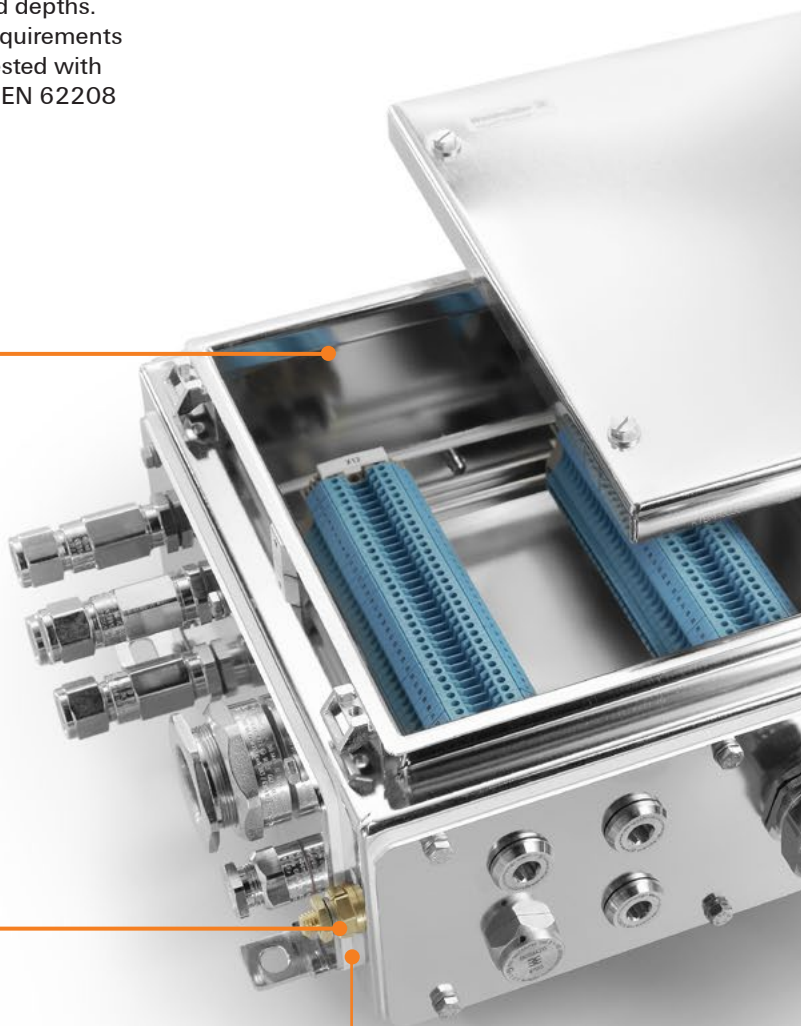
Safe protection

An integrated dust and moisture channel prevents dirt and moisture from penetrating when the enclosure is opened. The external earthing stud is equipped with an IP66/67 certified sealing mechanism and is protected against twisting.



Versatile installation options

Mounting bolts are located within the enclosure for installing rails and mounting plates. Welded-on mounting feet provide for a fast, secure and stable wall mounting.



Safety and stability

The different sealing systems prevents unauthorized access to the enclosure. Welded on inner thread sockets provide a stable attachment mechanism for gland plates and protect against leaks.



Easy installation

The enclosures are delivered with up to four gland plates so that cable glands can be easily and quickly installed and attached.



Klippon® cable glands

Our complete series of IP66 and IP68 cable glands and accessories are an excellent complement to the Klippon® TB enclosure series. Cable glands enable the connection of armoured and unarmoured cables from M20 to M75.



Approvals

The Klippon® TB range of enclosures has been awarded international approvals.



Industrial segments

The enclosures are designed for use in a variety of applications and for use in hazardous areas in particular. Typical applications include the process industry, the petrochemicals and power generation. All enclosures are tested and approved in compliance with the latest international standards, including ATEX and IECEx according to EN 60079.



Customer-specific solutions

Weidmüller's customer-specific-service provides comprehensive consultation, engineering and installation for modified enclosures. The enclosures can be modified during the production process according to customer demands and completed with various accessory components. There is a wide range of customer specific options available, such as enclosures with pre drilled holes and cutouts, various surfaces and materials, locking options and alternative sizes. Holders for documents and rating labels, door retainers, rain shields and many more accessories can also be installed on the enclosures per customer request.



Klippon® TB MH – Multi Hinge

Steel enclosures

for use in industrial and in potentially explosive atmospheres

The Klippon® TB enclosure range features excellent performance characteristics, even under the most difficult environmental conditions, and also comply with the stricter requirements of potentially explosive atmospheres found in the process or power generation industries. The Klippon® TB MH enclosure range offers further improvements to a product line that is already successfully leading the market.

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.

Features:

- Available in 12 sizes and 3 standard depths, with customer-specific sizes on request
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Lid can be removed without a tool
- Welded mounting feet
- International approvals



Overview of enclosures

Ordering data

Description	Height x width x depth in mm	0 Gland Plates	1 Gland Plate (below)	2 Gland Plates (above + below)	3 Gland plates (below + sides)	4 Gland plates (all sides)	Reference product
KTb MH 221513 S4E_*	229 x 152 x 133	1194550000	1194560000	1194570000	1194580000	1194590000	Klippon® TB10
KTb MH 262615 S4E_*	260 x 260 x 150	1194600000	1194610000	1194620000	1194630000	1194640000	Klippon® TB10A
KTb MH 262620 S4E_*	260 x 260 x 200	1194650000	1194660000	1194670000	1194680000	1194690000	Klippon® TB10A
KTb MH 303015 S4E_*	306 x 306 x 150	1194700000	1194710000	1194720000	1194730000	1194740000	Klippon® TB11
KTb MH 303020 S4E_*	306 x 306 x 200	1194750000	1194760000	1194770000	1194780000	1194790000	Klippon® TB11
KTb MH 352615 S4E_*	350 x 260 x 150	1194800000	1194810000	1194820000	1194830000	1194840000	Klippon® TB11A
KTb MH 352620 S4E_*	350 x 260 x 200	1194850000	1194860000	1194870000	1194880000	1194890000	Klippon® TB11A
KTb MH 403015 S4E_*	400 x 300 x 150	1194900000	1194910000	1194920000	1194930000	1194940000	-
KTb MH 403020 S4E_*	400 x 300 x 200	1194950000	1194960000	1194970000	1194980000	1194990000	-
KTb MH 453815 S4E_*	458 x 382 x 150	1195000000	1195010000	1195020000	1195030000	1195040000	Klippon® TB12
KTb MH 453820 S4E_*	458 x 382 x 200	1195050000	1195060000	1195070000	1195080000	1195090000	Klippon® TB12
KTb MH 484815 S4E_*	480 x 480 x 150	1195100000	1195110000	1195120000	1195130000	1195140000	Klippon® TB12A
KTb MH 484820 S4E_*	480 x 480 x 200	1195150000	1195160000	1195170000	1195180000	1195190000	Klippon® TB12A
KTb MH 553515 S4E_*	550 x 350 x 150	1195200000	1195210000	1195220000	1195230000	1195240000	Klippon® TB12B
KTb MH 553520 S4E_*	550 x 350 x 200	1195250000	1195260000	1195270000	1195280000	1195290000	Klippon® TB12B
KTb MH 624515 S4E_*	620 x 450 x 150	1195300000	1195310000	1195320000	1195330000	1195340000	Klippon® TB12D
KTb MH 624520 S4E_*	620 x 450 x 200	1195350000	1195360000	1195370000	1195380000	1195390000	Klippon® TB12D
KTb MH 765015 S4E_*	762 x 508 x 150	1195400000	1195410000	1195420000	1195430000	1195440000	Klippon® TB13
KTb MH 765020 S4E_*	762 x 508 x 200	1195450000	1195460000	1195470000	1195480000	1195490000	Klippon® TB13
KTb MH 916115 S4E_*	914 x 610 x 150	1195500000	1195510000	1195520000	1195530000	1195540000	Klippon® TB14
KTb MH 916120 S4E_*	914 x 610 x 200	1195550000	1195560000	1195570000	1195580000	1195590000	Klippon® TB14
KTb MH 987420 S4E_*	980 x 740 x 200	1195600000	1195610000	1195620000	1195630000	1195640000	-

Note * Placeholder for the number of gland plates (0, 1, 2, 3, 4). The Klippon® TB enclosures with 2 and 4 gland plates are subject to minimum order quantities.

Technical Overview

Technical data

Enclosure material*	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	electropolished
IP protection class	IP66 / IP67 to DIN EN 60529
NEMA protection classes	3, 4x, 12
Gland plates	1 – 4 (fixed with M6 hexagon head screws with 10 mm heads), optionally without a gland plate
Gland plate thickness	3 mm (other thickness are available on request)
Earthing inside	Enclosure base and lid: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 9 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rail
Enclosure attachment	4 or 6 welded mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	Lid can be fully removed without the use of tools, can be fitted on both sides, lid opening angle: 130°
Cover attachment	4 hinges and M6 hex-head screws (AF 10) with slot
Equipped for a padlock	Removable padlock fitting, for additional product security
Impact resistance	7 J to IEC 60079-0, IK 09 (10J) to DIN EN 50102
Gasket material	Silicone
Operating temperature range	-60 °C...+105 °C (IP66/IP67), -60 °C...+135 °C (IP66)
Torque – lid and gland plate screws	2.5 Nm
Note	* Painted enclosures are available on request.

Approvals for empty enclosures

ATEX certificate	IBExU14ATEX1028 U	EAC	RU-DE.08.B.00472
ATEX marking	II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db	cULus	E243298
		DNV GL	TAE000013S
IECEx certificate	IECEx IBE 14.0004U	Russian Maritime Register	15.40073.250
IECEx marking	Ex eb IIC Gb Ex tb IIIC Db	CCOE	In preparation
		INMETRO	IEEx 17.0020U
Nepsi Ex certificate	GYJ14.1308U	AEx	E223792
Nepsi Ex marking	Ex e IIC Gb, DIP A21	Miscellaneous	EN 45545, DIN EN 15085-2/CL2
Note	The Klippon® TB enclosure range can be pre-fitted in our customer specific production department according to your wishes.		

Approvals for control and distribution box

ATEX certificate	IBExU14ATEX1050	IECEx certificate	IECEx IBE 14.0013
ATEX marking	⊕ II 2G Ex eb IIC/IIA T6/T5/T4 Gb ⊕ II 1G Ex ia IIC/IIA T6/T5/T4 Ga ⊕ II 2G Ex eb ia IIC/IIA T6/T5/T4 Gb ⊕ II 2D Ex tb IIIC T80°C/T95°C/T135°C Db ⊕ II 1D Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C ≤ Ta ≤ +40/+55/+90 °C	IECEx marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C
Nepsi Ex certificate	GYJ14.1309	INMETRO certificate	IEEx 17.0021
Nepsi marking	Ex e IIC T4...T6 Gb Ex ia IIC T4...T6 Ga Ex e ia IIC T4...T6 Gb DIP A21 Ta 85°C...Ta 135°C Ex ia D20 T85 °C... T135 °C	INMETRO marking	Ex eb IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex eb ia IIC T6/T5/T4 Gb Ex tb IIIC T85°C/T100°C/T135°C Db IP66/IP67 Ex ia IIIC T85°C/T100°C/T135°C Da
EAC certificate	RUC-DE.08.B.01328	AEx certificate	E223792
EAC marking	II 2 G Ex eb IIC T6...T4 II 2 G Ex e IIC T6...T4 Gb II 1 G Ex ia IIC T6...T4 II 1 G Ex ia IIC T6...T4 Ga II 2(1) G Ex eb ia IIC T6...T4 II 2(1) G Ex e ia IIC T6...T4 Gb II 2 D Ex tb IIIC T85°C...T135°C II 2 D Ex tb IIIC T85°C...T135°C Db	AEx marking	Class I, Zone 1, AEx e IIC Gb T6..T4 Class I, Zone 2, AEx e IIC Gc T6...T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
KOSHA certificate	16-AV4B0-0245X		
KOSHA marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da 60 °C...+40/+55/+90 °C		
Note	Labelling depends on the application layout. Limited to IP66 protection when used in temperatures greater than 105 °C. For details of power dissipation, please contact your Weidmüller representative. Additional approvals available on request.		

Integrate, expand, and customise: the perfect supplement to every application

The fully structured range of system accessories for the Klippon® TB enclosure range allows you to easily adapt the enclosure to meet the specific requirements of every application.

The following options are available:

1 Document holder

Document holders for storage of important documents in the enclosure.

2 Earthing studs

Earthing studs are replaceable. Available in two versions – brass and stainless steel.

3 Gland plates

Gland plates are available as spares and also in various material thicknesses.

4 Mounting plates

Mounting plates with and without a drilling pattern, for horizontal and vertical mounting of rails, or components fitted directly.

5 Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of label holders, mounting plates, gland plates, document holders, and rain hoods.

6 Door stay

A door stay prevent the door from being closed unintentionally, regardless of the mounting position of the enclosure. This item is **only** available Ex-works.

7 Locking systems

Various locking systems are available for the safe securing of the enclosure. There are padlocks for the Klippon® TB MH enclosures and a range of lock inserts for the Klippon® TB QL enclosures.

8 Type label holder

A range of label holders are available for product identification.

9 Rain hoods

The rain hood provides an ideal, additional level of protection for the enclosure. Particularly useful against heavy rainfall or extreme levels of direct sunlight.



Klippon® TB MH 221513

Depth 133 mm



Height / Width / Depth 229 / 152 / 133 mm

Ordering data

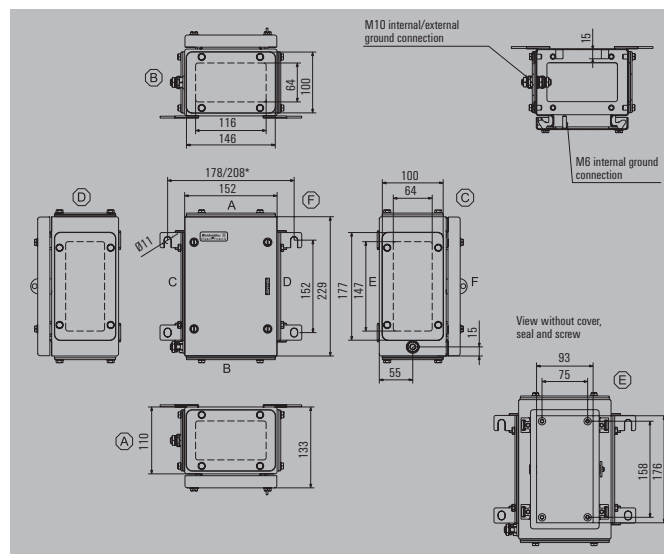
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194550000
1 gland plate - positioned at the bottom (B)	1194560000
2 gland plates - positioned at top and bottom (A & B)*	1194570000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194580000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194590000

Note *Minimum order quantity (20 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193930000
With hole pattern, sheet steel, galvanised	2022050000
Stainless steel 1.4301 natural	1193810000
With hole pattern, natural stainless steel 1.4301	1257650000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006720
Vertical	8000006708
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2022770000
Left and right sides (C & D), electropolished stainless steel 1.4404	2022900000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256270000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256280000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281360000
Stainless steel 1.4404, electro-polished	1314090000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x26	1x10
4 mm ²	1x21	1x8
6 mm ²	1x16	1x6
10 mm ²	1x13	1x4
16 mm ²	1x10	1x3
35 mm ²	1x7	1x2

Note

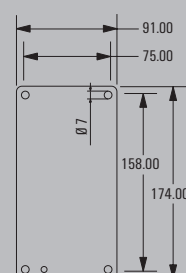
*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
 IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	6	8
M16	5	6
M20	2	3
M25	2	2
M32	1	2
M40	1	2
M50	0	0
M63	0	0
M75	0	0

Note Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth

260 / 260 / 150 mm

Ordering data

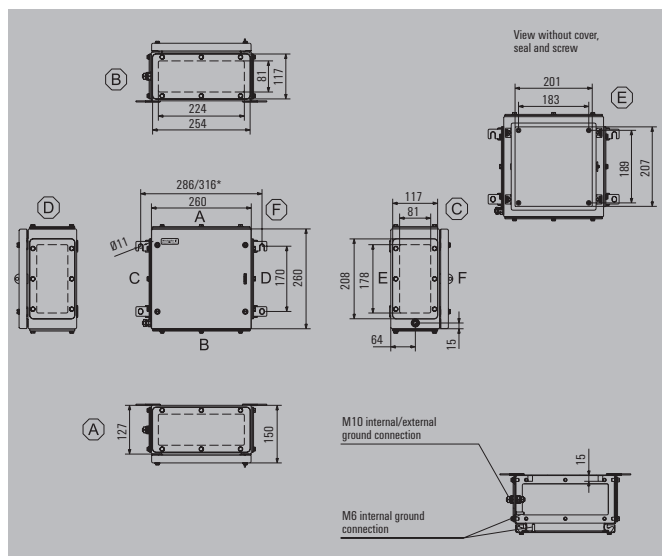
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194600000
1 gland plate - positioned at the bottom (B)	1194610000
2 gland plates - positioned at top and bottom (A & B)*	1194620000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194630000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194640000

Note *Minimum order quantity (20 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193950000
With hole pattern, sheet steel, galvanised	2022060000
Stainless steel 1.4301 natural	1193820000
With hole pattern, natural stainless steel 1.4301	1257660000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006721
Vertical	8000006709
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2022930000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023090000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256290000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256310000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281370000
Stainless steel 1.4404, electro-polished	1314100000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x31	2x31
4 mm ²	1x26	1x26
6 mm ²	1x19	1x19
10 mm ²	1x15	1x15
16 mm ²	1x12	1x12
35 mm ²	1x9	1x9

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

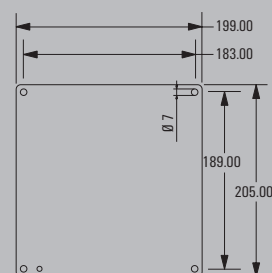
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	20	15
M16	11	8
M20	9	7
M25	4	3
M32	3	2
M40	3	2
M50	2	2
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 262620

Depth 200 mm



Height / Width / Depth

260 / 260 / 200 mm

Ordering data

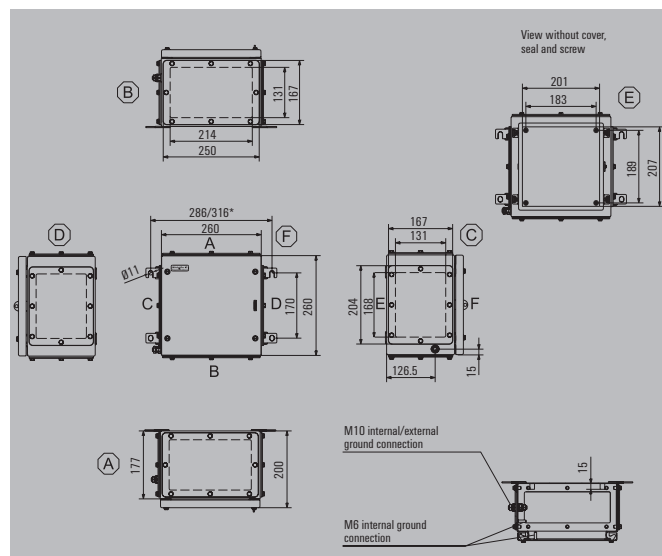
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194650000
1 gland plate - positioned at the bottom (B)	1194660000
2 gland plates - positioned at top and bottom (A & B)*	1194670000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194680000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194690000

Note *Minimum order quantity (20 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193950000
With hole pattern, sheet steel, galvanised	2022060000
Stainless steel 1.4301 natural	1193820000
With hole pattern, natural stainless steel 1.4301	1257660000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006721
Vertical	8000006709
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023100000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023110000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256320000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256330000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281380000
Stainless steel 1.4404, electro-polished	1314110000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x31	2x31
4 mm ²	1x26	1x26
6 mm ²	1x19	1x19
10 mm ²	1x15	1x15
16 mm ²	1x12	1x12
35 mm ²	1x9	1x9

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
 IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

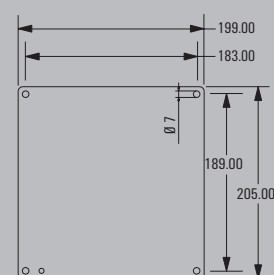
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	33	25
M16	22	16
M20	14	11
M25	12	9
M32	6	4
M40	5	4
M50	2	2
M63	2	1
M75	1	1

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth

306 / 306 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194700000
1 gland plate - positioned at the bottom (B)	1194710000
2 gland plates - positioned at top and bottom (A & B)*	1194720000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194730000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194740000
Note	*Minimum order quantity (20 pieces)

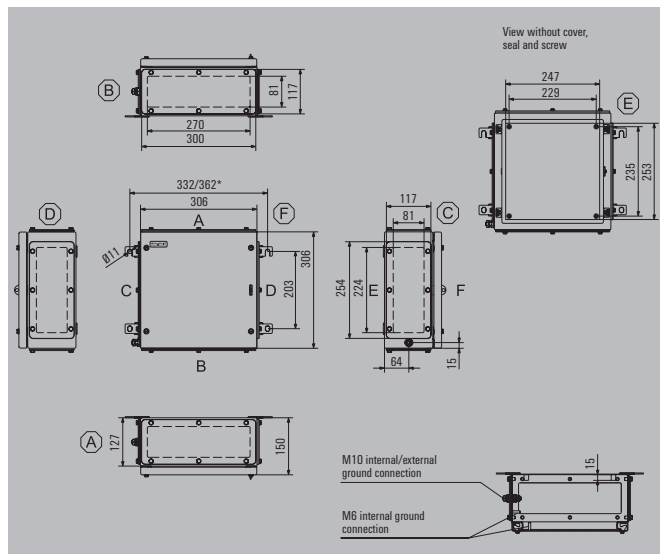
Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193960000
With hole pattern, sheet steel, galvanised	2022190000
Stainless steel 1.4301 natural	1193830000
With hole pattern, natural stainless steel 1.4301	1257670000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006722
Vertical	8000006710
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023120000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023130000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256340000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256350000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281390000
Stainless steel 1.4404, electro-polished	1314120000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures

**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x41	2x40
4 mm ²	1x34	2x33
6 mm ²	1x25	2x25
10 mm ²	1x20	1x20
16 mm ²	1x17	1x16
35 mm ²	1x12	1x12

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

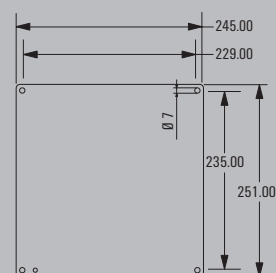
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	24	20
M16	13	11
M20	11	9
M25	5	4
M32	4	3
M40	3	3
M50	3	2
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 303020

Depth 200 mm



Height / Width / Depth 306 / 306 / 200 mm

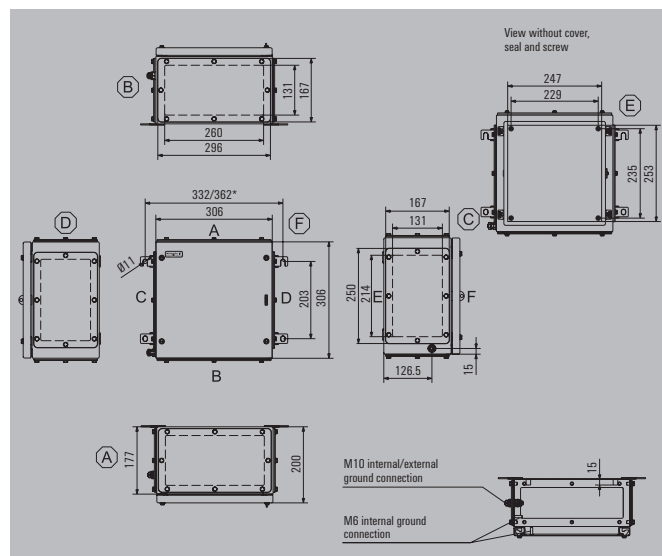
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194750000
1 gland plate - positioned at the bottom (B)	1194760000
2 gland plates - positioned at top and bottom (A & B)*	1194770000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194780000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194790000

Note *Minimum order quantity (20 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193960000
With hole pattern, sheet steel, galvanised	2022190000
Stainless steel 1.4301 natural	1193830000
With hole pattern, natural stainless steel 1.4301	1257670000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006722
Vertical	8000006710
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023140000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023150000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256360000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256370000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281400000
Stainless steel 1.4404, electro-polished	1314130000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x41	2x40
4 mm ²	1x34	2x33
6 mm ²	1x25	2x25
10 mm ²	1x20	1x20
16 mm ²	1x17	1x16
35 mm ²	1x12	1x12

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

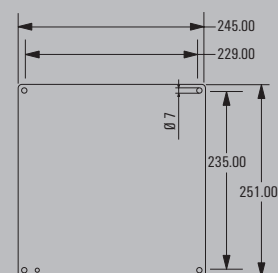
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	40	33
M16	26	22
M20	17	14
M25	14	12
M32	8	6
M40	6	5
M50	3	2
M63	2	2
M75	2	1

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth 350 / 260 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194800000
1 gland plate - positioned at the bottom (B)	1194810000
2 gland plates - positioned at top and bottom (A & B)*	1194820000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194830000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194840000
Note	*Minimum order quantity (20 pieces)

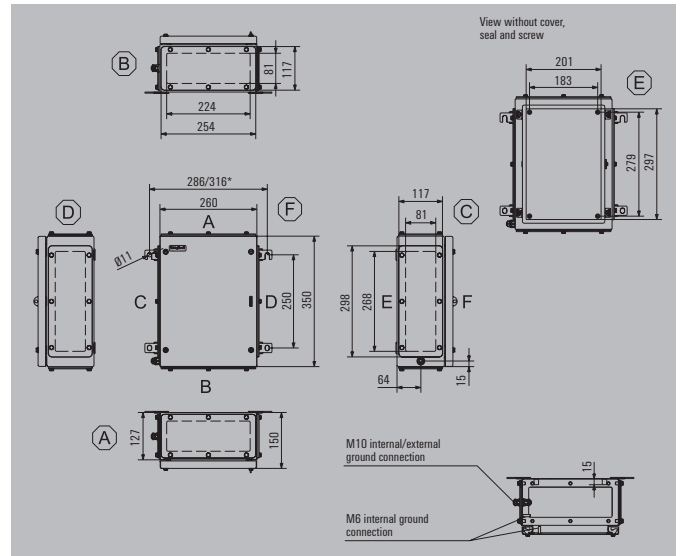
Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193970000
With hole pattern, sheet steel, galvanised	2022310000
Stainless steel 1.4301 natural	1193840000
With hole pattern, natural stainless steel 1.4301	1257680000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006721
Vertical	8000006711
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023160000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023210000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256380000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256390000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281410000
Stainless steel 1.4404, electro-polished	1314140000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures

**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x49	2x31
4 mm ²	1x41	2x26
6 mm ²	1x31	2x19
10 mm ²	1x25	2x15
16 mm ²	1x20	1x12
35 mm ²	1x15	1x9

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.

When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.

Ordering recommendations:

TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC

TS 32 Mounting rail with clamping yoke technology SAK

TS 15 Mounting rail with clamping yoke technology AKZ

Order information for terminal blocks, please refer to online catalogue

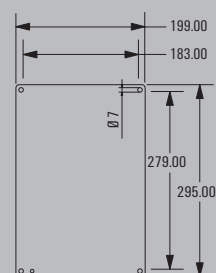
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	20	23
M16	11	13
M20	9	11
M25	4	5
M32	3	4
M40	3	3
M50	2	3
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 352620

Depth 200 mm



Height / Width / Depth 350 / 260 / 200 mm

Ordering data

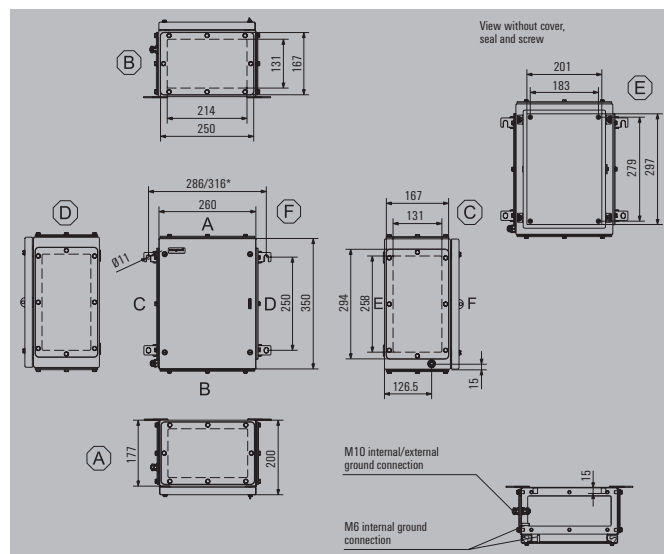
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194850000
1 gland plate - positioned at the bottom (B)	1194860000
2 gland plates - positioned at top and bottom (A & B)*	1194870000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194880000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194890000

Note *Minimum order quantity (20 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193970000
With hole pattern, sheet steel, galvanised	2022310000
Stainless steel 1.4301 natural	1193840000
With hole pattern, natural stainless steel 1.4301	1257680000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006721
Vertical	8000006711
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023230000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023280000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256410000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256420000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281420000
Stainless steel 1.4404, electro-polished	1314150000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x49	2x31
4 mm ²	1x41	2x26
6 mm ²	1x31	2x19
10 mm ²	1x25	2x15
16 mm ²	1x20	1x12
35 mm ²	1x15	1x9

Note

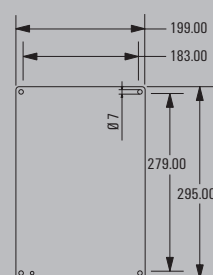
*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	33	38
M16	22	26
M20	14	17
M25	12	14
M32	6	7
M40	5	6
M50	2	3
M63	2	2
M75	1	2

Note Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth 400 / 300 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194900000
1 gland plate - positioned at the bottom (B)	1194910000
2 gland plates - positioned at top and bottom (A & B)*	1194920000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194930000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194940000
Note	*Minimum order quantity (10 pieces)

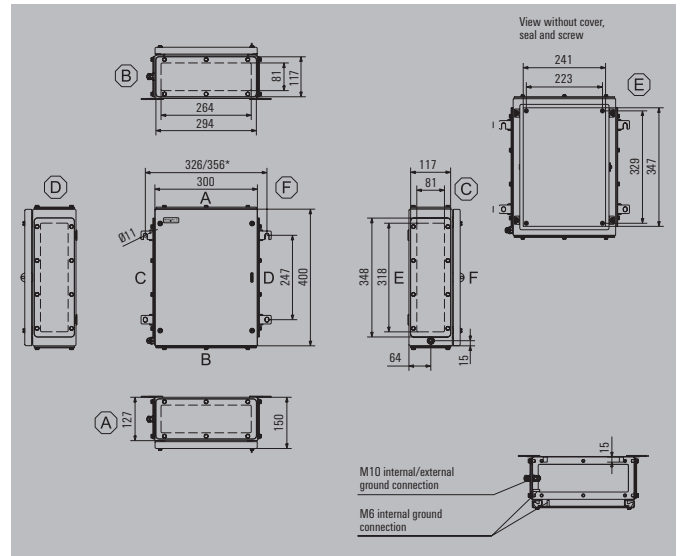
Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193980000
With hole pattern, sheet steel, galvanised	2022420000
Stainless steel 1.4301 natural	1193850000
With hole pattern, natural stainless steel 1.4301	1257690000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006723
Vertical	8000006712
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023320000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023330000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256430000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256440000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281430000
Stainless steel 1.4404, electro-polished	1314170000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures

**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x59	3x39
4 mm ²	2x49	3x32
6 mm ²	1x37	2x24
10 mm ²	1x30	2x19
16 mm ²	1x24	2x16
35 mm ²	1x18	1x11

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.

When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.

Ordering recommendations:

TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC

TS 32 Mounting rail with clamping yoke technology SAK

TS 15 Mounting rail with clamping yoke technology AKZ

Order information for terminal blocks, please refer to online catalogue

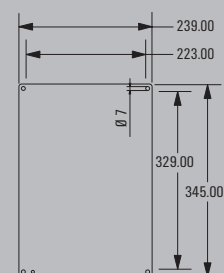
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	23	29
M16	13	16
M20	11	13
M25	5	6
M32	4	5
M40	3	4
M50	3	3
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 403020

Depth 200 mm



Height / Width / Depth 400 / 300 / 200 mm

Ordering data

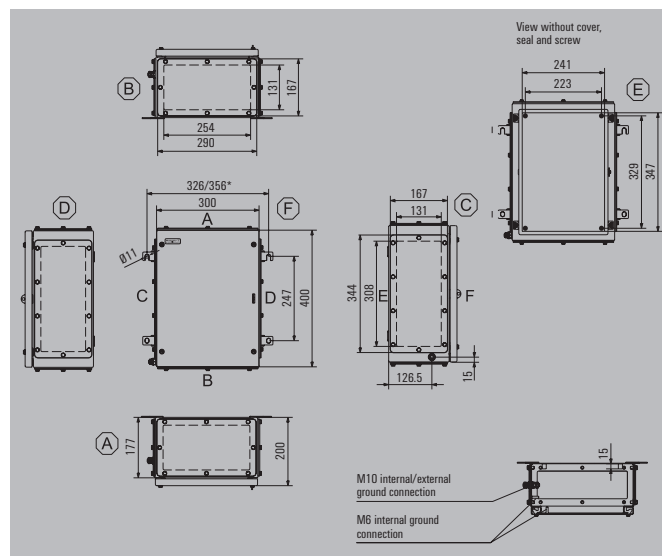
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1194950000
1 gland plate - positioned at the bottom (B)	1194960000
2 gland plates - positioned at top and bottom (A & B)*	1194970000
3 gland plates - positioned at bottom, left and right (B, C & D)	1194980000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1194990000

Note *Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193980000
With hole pattern, sheet steel, galvanised	2022420000
Stainless steel 1.4301 natural	1193850000
With hole pattern, natural stainless steel 1.4301	1257690000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006723
Vertical	8000006712
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023450000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023480000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256450000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256470000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281440000
Stainless steel 1.4404, electro-polished	1314180000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x59	3x39
4 mm ²	2x49	3x32
6 mm ²	1x37	2x24
10 mm ²	1x30	2x19
16 mm ²	1x24	2x16
35 mm ²	1x18	1x11

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

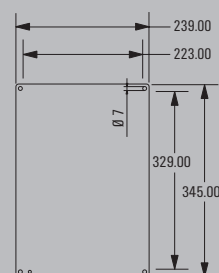
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	38	48
M16	26	32
M20	17	20
M25	14	17
M32	7	9
M40	6	7
M50	3	3
M63	2	3
M75	2	2

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





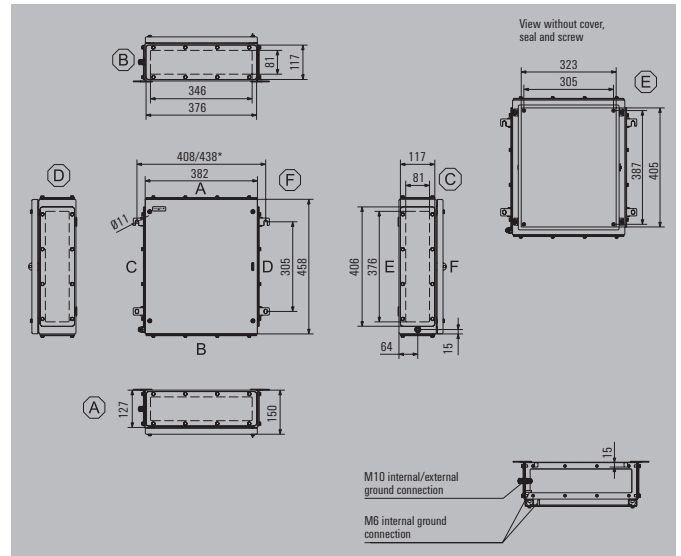
Height / Width / Depth 458 / 382 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195000000
1 gland plate - positioned at the bottom (B)	1195010000
2 gland plates - positioned at top and bottom (A & B)*	1195020000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195030000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195040000
Note	*Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193990000
With hole pattern, sheet steel, galvanised	2022590000
Stainless steel 1.4301 natural	1193860000
With hole pattern, natural stainless steel 1.4301	1257700000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006724
Vertical	8000006713
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023490000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023500000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256480000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256490000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281450000
Stainless steel 1.4404, electro-polished	1314190000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x71	4x54
4 mm ²	2x59	3x46
6 mm ²	2x44	3x34
10 mm ²	2x36	2x27
16 mm ²	2x29	2x22
35 mm ²	1x22	1x17

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

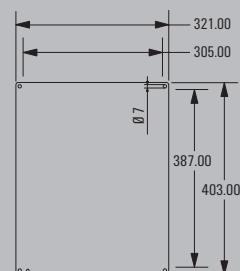
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	30	33
M16	17	19
M20	15	16
M25	6	7
M32	5	6
M40	4	5
M50	4	4
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 453820

Depth 200 mm



Height / Width / Depth

458 / 382 / 200 mm

Ordering data

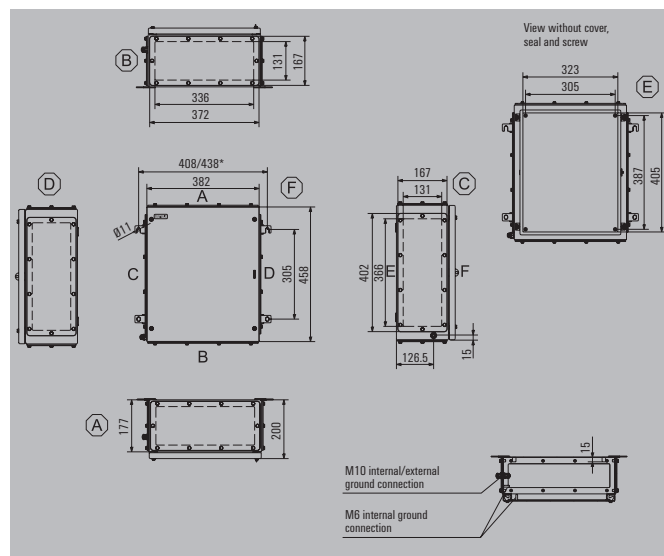
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195050000
1 gland plate - positioned at the bottom (B)	1195060000
2 gland plates - positioned at top and bottom (A & B)*	1195070000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195080000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195090000

Note *Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1193990000
With hole pattern, sheet steel, galvanised	2022590000
Stainless steel 1.4301 natural	1193860000
With hole pattern, natural stainless steel 1.4301	1257700000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006724
Vertical	8000006713
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023510000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023520000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256510000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256520000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281460000
Stainless steel 1.4404, electro-polished	1314200000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x71	4x54
4 mm ²	2x59	3x46
6 mm ²	2x44	3x34
10 mm ²	2x36	2x27
16 mm ²	2x29	2x22
35 mm ²	1x22	1x17

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
 When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
 Ordering recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
 IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

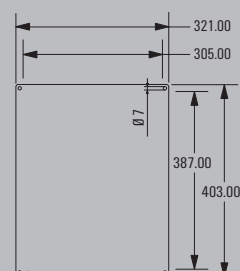
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	50	55
M16	34	38
M20	23	24
M25	18	21
M32	10	11
M40	8	9
M50	4	4
M63	3	3
M75	2	3

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





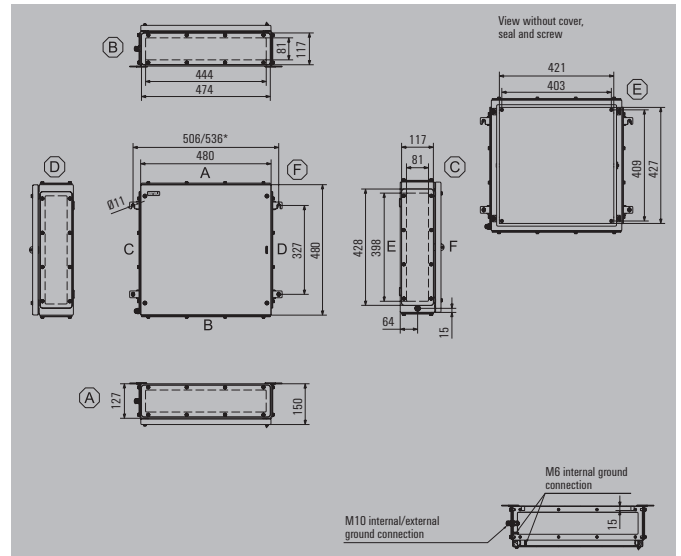
Height / Width / Depth 480 / 480 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195100000
1 gland plate - positioned at the bottom (B)	1195110000
2 gland plates - positioned at top and bottom (A & B)*	1195120000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195130000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195140000
Note	*Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194000000
With hole pattern, sheet steel, galvanised	2022610000
Stainless steel 1.4301 natural	1193870000
With hole pattern, natural stainless steel 1.4301	1257710000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000006714
Horizontally	8000006725
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023530000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023540000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256530000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256540000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281470000
Stainless steel 1.4404, electro-polished	1314220000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	4x75	4x74
4 mm²	3x62	3x62
6 mm²	3x47	3x46
10 mm²	2x38	3x37
16 mm²	2x31	2x31
35 mm²	1x23	2x23

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

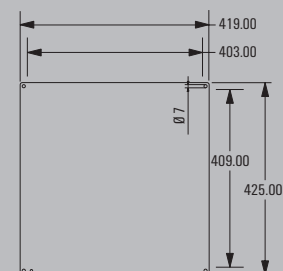
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	39	36
M16	22	20
M20	19	17
M25	8	7
M32	7	6
M40	6	5
M50	5	4
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 484820

Depth 200 mm



Height / Width / Depth	480 / 480 / 200 mm
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Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195150000
1 gland plate - positioned at the bottom (B)	1195160000
2 gland plates - positioned at top and bottom (A & B)*	1195170000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195180000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195190000
Note	*Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194000000
With hole pattern, sheet steel, galvanised	2022610000
Stainless steel 1.4301 natural	1193870000
With hole pattern, natural stainless steel 1.4301	1257170000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000

Mounting rails**, TS35x7.5	
Horizontally	8000006725
Vertical	8000006714

Stainless steel spacer M6 x 8, Set of 4	10 mm length	0935110000
	15 mm length	0935120000
	20 mm length	0935130000
	30 mm length	0935140000

Gland plates - 3 mm with M6 earth studs		
Top and bottom sides (A & B), electropolished stainless steel	1.4404	2023580000
Left and right sides (C & D), electropolished stainless steel	1.4404	2023620000

Left and right sides (C & D), electropolished stainless steel 1.4404		1253230000
Gland plates and screws - 6 mm		
Top and bottom sides (A & B), electropolished stainless steel 1.4404		1256550000
Left and right sides (C & D), electropolished stainless steel 1.4404		1256560000
Mounting screw, stainless steel 1.4404		1253230000

Rain hoods		
	Stainless steel 1.4301, mirror-polished	1281480000
	Stainless steel 1.4404, electro-polished	1314230000

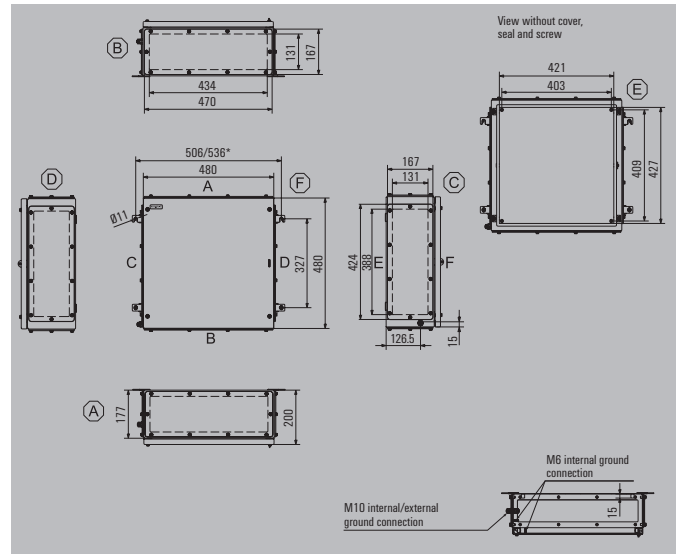
Label holder	70 x 70 angled stainless steel 1.4301	1279320000
	130x50 stainless steel 1.4301	1283450000
	100x25 stainless steel 1.4301	1257640000

Document holders		
	For DIN A6 size documents	1252780000
	For DIN A5 size documents	1252750000
	For DIN A4 size documents	1252730000

Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000

Earthring stud	Stainless steel 1.4404, M10	1192690000
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Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
	2.5 mm ²	4x75
	4 mm ²	3x62
	6 mm ²	3x47
	10 mm ²	2x38
	16 mm ²	2x31
	35 mm ²	1x23
	4x74	3x62
	3x46	3x37
	2x31	2x31
	2x23	

Note

For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH in technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

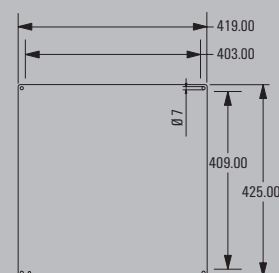
Guide value for max. number of cable entries

Cable entries for main number of cable entries			
Cable entries		A / B	C / D
	M12	65	60
	M16	44	40
	M20	29	26
	M25	24	21
	M32	13	12
	M40	11	10
	M50	5	4
	M63	4	4
	M75	3	3

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth

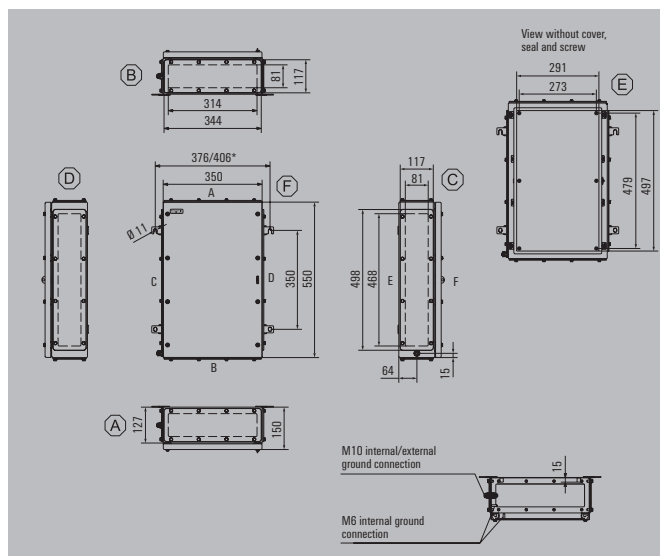
550 / 350 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195200000
1 gland plate - positioned at the bottom (B)	1195210000
2 gland plates - positioned at top and bottom (A & B)*	1195220000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195230000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195240000
Note	*Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194010000
With hole pattern, sheet steel, galvanised	2022650000
Stainless steel 1.4301 natural	1193880000
With hole pattern, natural stainless steel 1.4301	1257720000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006726
Vertical	8000006715
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023660000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023670000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256570000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256580000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281490000
Stainless steel 1.4404, electro-polished	1314240000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x89	4x48
4 mm ²	2x73	4x40
6 mm ²	2x55	4x30
10 mm ²	2x45	3x24
16 mm ²	1x37	3x20
35 mm ²	1x28	2x15

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

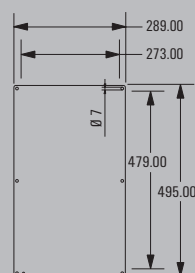
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	27	42
M16	15	24
M20	13	20
M25	6	9
M32	5	7
M40	4	6
M50	3	5
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 553520

Depth 200 mm



Height / Width / Depth 550 / 350 / 200 mm

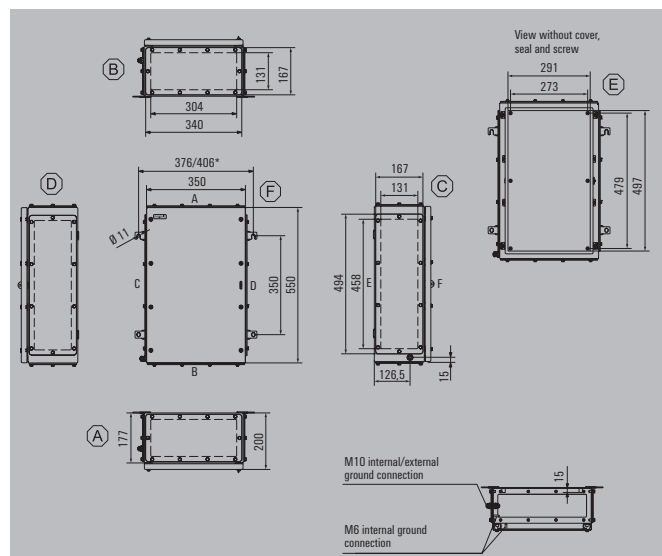
Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195250000
1 gland plate - positioned at the bottom (B)	1195260000
2 gland plates - positioned at top and bottom (A & B)*	1195270000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195280000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195290000

Note *Minimum order quantity (10 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194010000
With hole pattern, sheet steel, galvanised	2022650000
Stainless steel 1.4301 natural	1193880000
With hole pattern, natural stainless steel 1.4301	1257720000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006726
Vertical	8000006715
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023740000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023790000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256590000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256610000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281500000
Stainless steel 1.4404, electro-polished	1314250000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x89	4x48
4 mm ²	2x73	4x40
6 mm ²	2x55	4x30
10 mm ²	2x45	3x24
16 mm ²	1x37	3x20
35 mm ²	1x28	2x15

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

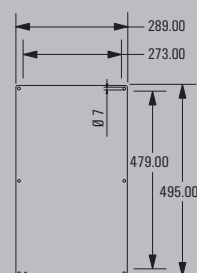
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	45	70
M16	30	48
M20	20	30
M25	17	26
M32	9	14
M40	7	12
M50	3	5
M63	3	4
M75	2	3

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





Height / Width / Depth

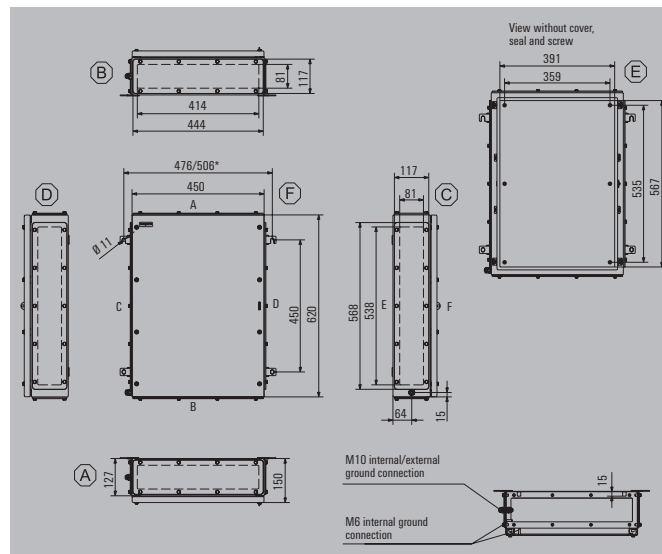
620 / 450 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195300000
1 gland plate - positioned at the bottom (B)	1195310000
2 gland plates - positioned at top and bottom (A & B)*	1195320000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195330000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195340000
Note	*Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194020000
With hole pattern, sheet steel, galvanised	2022670000
Stainless steel 1.4301 natural	1193890000
With hole pattern, natural stainless steel 1.4301	1257740000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006727
Vertical	8000006716
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023820000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023870000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256620000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256630000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281510000
Stainless steel 1.4404, electro-polished	1314270000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x101	5x65
4 mm ²	3x83	5x54
6 mm ²	3x62	4x41
10 mm ²	2x49	4x33
16 mm ²	2x42	3x26
35 mm ²	1x31	2x20

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

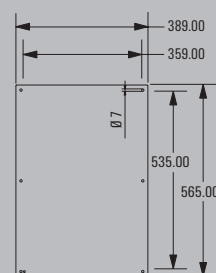
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	38	48
M16	21	27
M20	18	24
M25	8	10
M32	6	9
M40	5	7
M50	4	6
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 624520

Depth 200 mm



Height / Width / Depth 620 / 450 / 200 mm

Ordering data

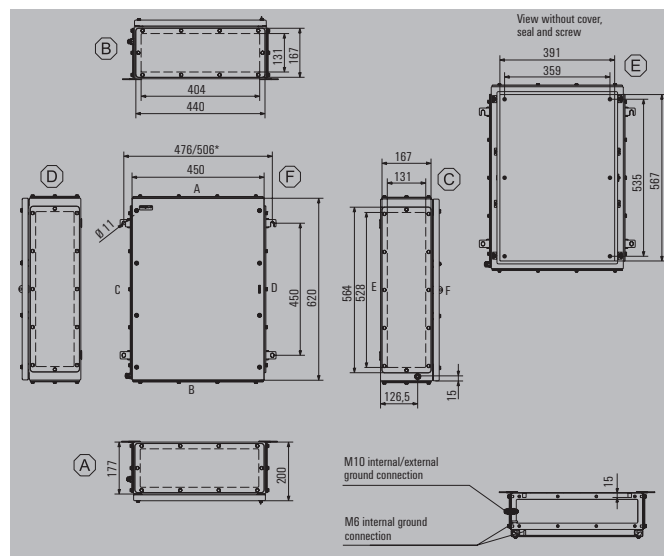
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195350000
1 gland plate - positioned at the bottom (B)	1195360000
2 gland plates - positioned at top and bottom (A & B)*	1195370000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195380000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195390000

Note *Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194020000
With hole pattern, sheet steel, galvanised	2022670000
Stainless steel 1.4301 natural	1193890000
With hole pattern, natural stainless steel 1.4301	1257740000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006727
Vertical	8000006716
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2023880000
Left and right sides (C & D), electropolished stainless steel 1.4404	2023930000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256640000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256650000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281520000
Stainless steel 1.4404, electro-polished	1314280000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x101	5x65
4 mm ²	3x83	5x54
6 mm ²	3x62	4x41
10 mm ²	2x49	4x33
16 mm ²	2x42	3x26
35 mm ²	1x31	2x20

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

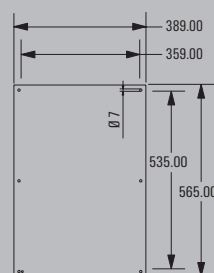
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	63	80
M16	42	54
M20	27	36
M25	23	30
M32	12	17
M40	10	14
M50	4	6
M63	4	5
M75	3	4

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





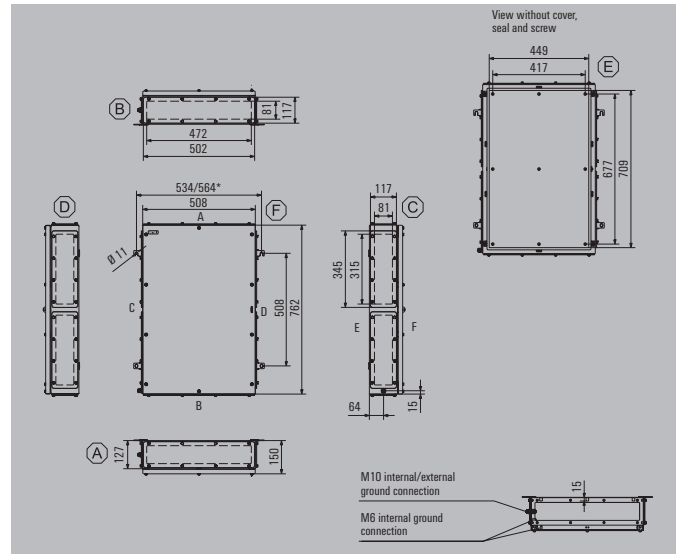
Height / Width / Depth 762 / 508 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195400000
1 gland plate - positioned at the bottom (B)	1195410000
2 gland plates - positioned at top and bottom (A & B)*	1195420000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195430000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195440000
Note	*Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194030000
With hole pattern, sheet steel, galvanised	2022680000
Stainless steel 1.4301 natural	1193900000
With hole pattern, natural stainless steel 1.4301	1257750000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006728
Vertical	8000006717
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2024040000
Left and right sides (C & D), electropolished stainless steel 1.4404	2024090000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256660000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256670000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281530000
Stainless steel 1.4404, electro-polished	1314290000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	4x128	7x78
4 mm ²	4x107	6x64
6 mm ²	3x80	5x48
10 mm ²	3x65	5x39
16 mm ²	2x53	4x32
35 mm ²	2x40	3x24

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

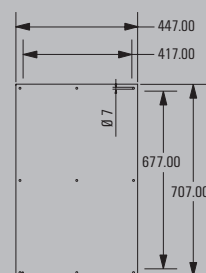
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	42	58
M16	24	32
M20	21	26
M25	9	12
M32	7	10
M40	6	8
M50	5	6
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 765020

Depth 200 mm



Height / Width / Depth 762 / 508 / 200 mm

Ordering data

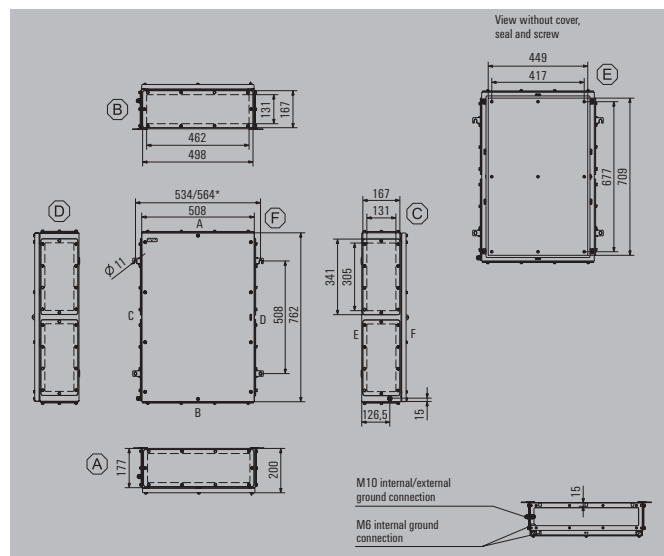
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195450000
1 gland plate - positioned at the bottom (B)	1195460000
2 gland plates - positioned at top and bottom (A & B)*	1195470000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195480000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195490000

Note *Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194030000
With hole pattern, sheet steel, galvanised	2022680000
Stainless steel 1.4301 natural	1193900000
With hole pattern, natural stainless steel 1.4301	1257750000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006728
Vertical	8000006717
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2024100000
Left and right sides (C & D), electropolished stainless steel 1.4404	2024140000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256680000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256690000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281540000
Stainless steel 1.4404, electro-polished	1314300000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	4x128	7x78
4 mm ²	4x107	6x64
6 mm ²	3x80	5x48
10 mm ²	3x65	5x39
16 mm ²	2x53	4x32
35 mm ²	2x40	3x24

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

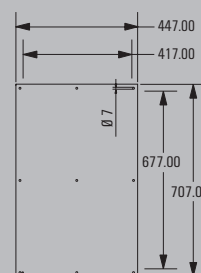
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	70	96
M16	48	64
M20	32	40
M25	26	34
M32	14	18
M40	12	14
M50	5	6
M63	4	6
M75	3	4

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





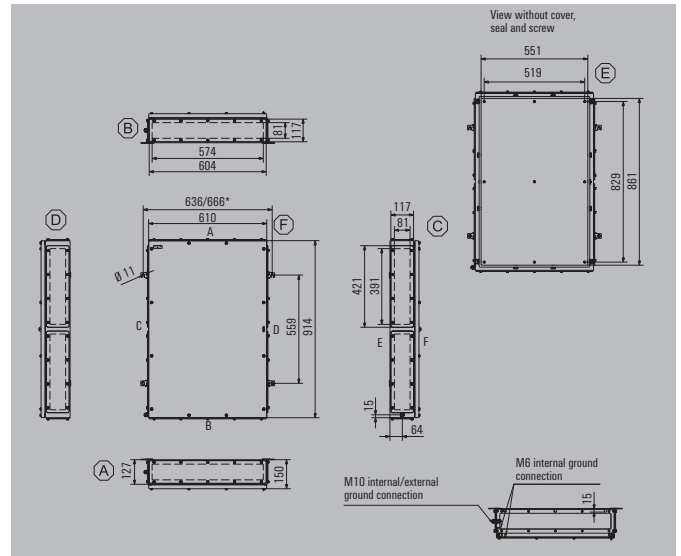
Height / Width / Depth 914 / 610 / 150 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195500000
1 gland plate - positioned at the bottom (B)	1195510000
2 gland plates - positioned at top and bottom (A & B)*	1195520000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195530000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195540000
Note	*Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194040000
With hole pattern, sheet steel, galvanised	2022740000
Stainless steel 1.4301 natural	1193910000
With hole pattern, natural stainless steel 1.4301	1257760000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006729
Vertical	8000006718
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2024150000
Left and right sides (C & D), electropolished stainless steel 1.4404	2024300000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256710000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256720000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281550000
Stainless steel 1.4404, electro-polished	1314320000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	5x157	8x99
4 mm ²	4x132	7x80
6 mm ²	4x100	7x62
10 mm ²	3x85	6x50
16 mm ²	3x66	5x40
35 mm ²	2x49	4x30

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

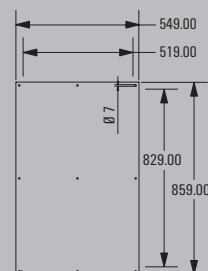
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	53	70
M16	29	40
M20	25	34
M25	11	14
M32	9	12
M40	8	10
M50	6	8
M63	0	0
M75	0	0

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB MH 916120

Depth 200 mm



Height / Width / Depth

914 / 610 / 200 mm

Ordering data

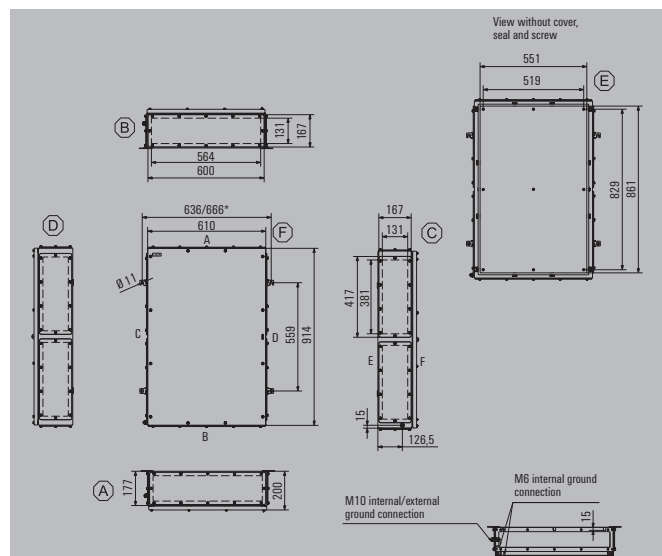
Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195550000
1 gland plate - positioned at the bottom (B)	1195560000
2 gland plates - positioned at top and bottom (A & B)*	1195570000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195580000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195590000

Note *Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194040000
With hole pattern, sheet steel, galvanised	2022740000
Stainless steel 1.4301 natural	1193910000
With hole pattern, natural stainless steel 1.4301	1257760000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006729
Vertical	8000006718
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2024470000
Left and right sides (C & D), electropolished stainless steel 1.4404	2024490000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256730000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256740000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281570000
Stainless steel 1.4404, electro-polished	1314330000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	5x157	8x99
4 mm ²	4x132	7x80
6 mm ²	4x100	7x62
10 mm ²	3x85	6x50
16 mm ²	3x66	5x40
35 mm ²	2x49	4x30

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

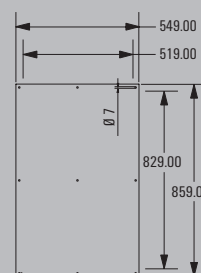
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	88	116
M16	58	80
M20	38	52
M25	33	42
M32	18	24
M40	15	20
M50	6	8
M63	5	6
M75	4	6

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate





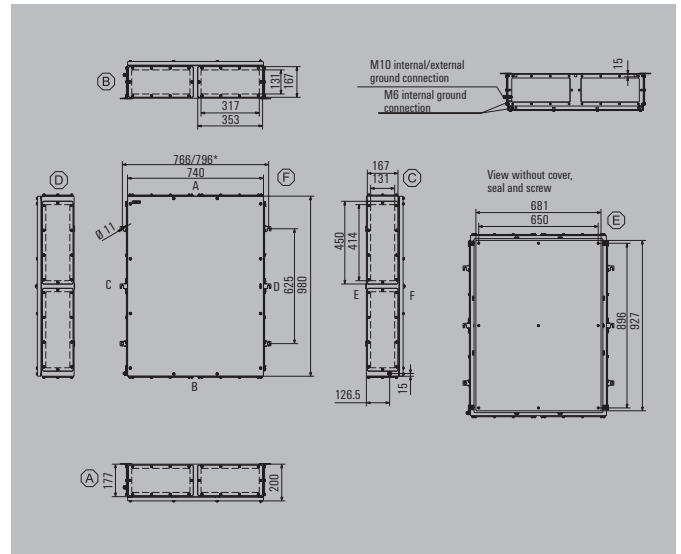
980 / 740 / 200 mm

Ordering data

Stainless steel 1.4404 316L, electropolished	Order No.
0 gland plates	1195600000
1 gland plate - positioned at the bottom (B)	1195610000
2 gland plates - positioned at top and bottom (A & B)*	1195620000
3 gland plates - positioned at bottom, left and right (B, C & D)	1195630000
4 gland plates - positioned at top, bottom, left and right (A, B, C & D)*	1195640000
Note	*Minimum order quantity (5 pieces)

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1194050000
With hole pattern, sheet steel, galvanised	2022760000
Stainless steel 1.4301 natural	1193920000
With hole pattern, natural stainless steel 1.4301	1257770000
Fastening screws for mounting plates	0642600000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Horizontally	8000006730
Vertical	8000006719
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Gland plates - 3 mm with M6 earth studs	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	2024560000
Left and right sides (C & D), electropolished stainless steel 1.4404	2024590000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256750000
Left and right sides (C & D), electropolished stainless steel 1.4404	1256760000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281580000
Stainless steel 1.4404, electro-polished	1314340000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
130x50 stainless steel 1.4301	1283450000
100x25 stainless steel 1.4301	1257640000
Document holders	
For DIN A6 size documents	1252780000
For DIN A5 size documents	1252750000
For DIN A4 size documents	1252730000
Set of fixings*	
For label holders, rain hoods and document holders (rivet)	1252190000
For plastic (Trafolyte), identification plate (screw)	1285200000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Note	*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	6x174	9x127
4 mm ²	6x146	8x99
6 mm ²	5x108	7x78
10 mm ²	4x85	6x63
16 mm ²	4x72	5x51
35 mm ²	3x54	4x38

Note

*For the enclosure versions with no, one or two gland plates, the horizontal distance of the mounting feet is reduced by 30 mm.
When mounting modular terminals please leave a distance of 10 mm to the ends of the DIN rail.
Ordering recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

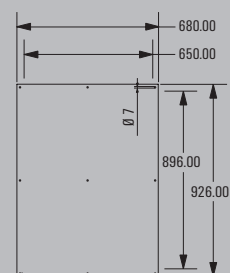
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	96	126
M16	64	84
M20	42	54
M25	36	48
M32	20	26
M40	16	22
M50	6	10
M63	6	8
M75	4	6

Note

Our IP 68 brass cable glands serve as a reference for these recommended values.

Dimensions of mounting plate



Klippon® TB QL – Quarter Lock

Steel enclosures

for use in industrial and in explosive hazard areas

The Klippon® TB enclosure range features excellent performance characteristics, even under the most difficult environmental conditions, and comply with the stricter requirements of explosive hazard areas found in the process or power generation industries. The Klippon® TB QL enclosure range offers further improvements to a product line that is already successfully leading the market.

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.

Features:

- Available in 12 sizes and 3 standard depths, with customer-specific sizes on request
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Quick-locking lid, comes with a slot as standard
- Improved temperature performance
- IP66 protection class
- Earth studs in enclosure cover and bottom section
- Welded mounting feet



Overview of enclosures

Ordering data

Description	Height x width x depth in mm	0 Gland Plates	1 Gland Plate (below)	2 Gland Plates (above + below)	3 Gland Plates (below + sides)	4 Gland Plates (all sides)
KTB QL 221513 S4E_*	229 x 152 x 133	1199850000	1199860000	1199870000	1199880000	1199890000
KTB QL 262615 S4E_*	260 x 260 x 150	1199900000	1199910000	1199920000	1199930000	1199940000
KTB QL 262620 S4E_*	260 x 260 x 200	1199950000	1199960000	1199970000	1199980000	1199990000
KTB QL 303015 S4E_*	306 x 306 x 150	1200010000	1200020000	1200030000	1200040000	1200050000
KTB QL 303020 S4E_*	306 x 306 x 200	1200060000	1200070000	1200080000	1200090000	1200100000
KTB QL 352615 S4E_*	350 x 260 x 150	1200110000	1200120000	1200130000	1200140000	1200150000
KTB QL 352620 S4E_*	350 x 260 x 200	1200160000	1200170000	1200180000	1200190000	1200210000
KTB QL 403015 S4E_*	400 x 300 x 150	1200220000	1200230000	1200240000	1200250000	1200260000
KTB QL 403020 S4E_*	400 x 300 x 200	1200270000	1200280000	1200290000	1200310000	1200320000
KTB QL 453815 S4E_*	458 x 382 x 150	1200330000	1200340000	1200350000	1200360000	1200370000
KTB QL 453820 S4E_*	458 x 382 x 200	1200380000	1200390000	1200410000	1200420000	1200430000
KTB QL 484815 S4E_*	480 x 480 x 150	1200440000	1200450000	1200460000	1200470000	1200480000
KTB QL 484820 S4E_*	480 x 480 x 200	1200490000	1200510000	1200520000	1200530000	1200540000
KTB QL 553515 S4E_*	550 x 350 x 150	1200550000	1200560000	1200570000	1200580000	1200590000
KTB QL 553520 S4E_*	550 x 350 x 200	1200610000	1200620000	1200630000	1200640000	1200650000
KTB QL 624515 S4E_*	620 x 450 x 150	1200660000	1200670000	1200680000	1200690000	1200710000
KTB QL 624520 S4E_*	620 x 450 x 200	1200720000	1200730000	1200740000	1200750000	1200760000
KTB QL 765015 S4E_*	762 x 508 x 150	1200770000	1200780000	1200790000	1200810000	1200820000
KTB QL 765020 S4E_*	762 x 508 x 200	1200830000	1200840000	1200850000	1200860000	1200870000
KTB QL 916115 S4E_*	914 x 610 x 150	1200940000	1200950000	1200960000	1200970000	1200980000
KTB QL 916120 S4E_*	914 x 610 x 200	1200990000	1201010000	1201020000	1201030000	1201040000
KTB QL 987420 S4E_*	980 x 740 x 200	1200990000	1201010000	1201020000	1201030000	1201040000

Note

* Placeholder for the number of gland plates (0, 1, 2, 3, 4). The Klippon® TB QL enclosures are subject to a minimum order quantity.

Technical Overview

Technical data

Enclosure material*	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	Electropolished
IP protection class	IP66 to IEC EN 60079-0
NEMA protection classes	3, 4x, 12
Gland plates	1 - 4 (fixed with M6 hexagon head screws and 10 mm heads), optionally without a gland plate
Gland plate thickness	3 mm (other thickness of up to 20 mm are available on request)
Earthing inside	Enclosure base and lid: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 9 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rails
Enclosure attachment	4 or 6 welded mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	Can be removed completely, lid opening angle 130 °
Cover attachment	Quarter-turn lock with slotted insert (other inserts available on request)
Impact resistance	7 J in accordance with IEC 60079-0, IK 09 (10J) in accordance with DIN EN 50102
Gasket material	Silicone
Operating temperature range	-60 °C...+135 °C
Torque for flange plate screws	2.5 Nm
Note	* Painted steel enclosures are available on request.

Approvals for empty enclosures

ATEX certificate	IBExU14ATEX1028 U	EAC	RU-DE.08.B.00472
ATEX marking	II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db	cULus	E243298
IECEx certificate	IECEx IBE 14.0004U	DNV GL	TAE000013S
IECEx marking	Ex eb IIC Gb Ex tb IIIC Db	Russian Maritime Register	15.40075.250
Nepsi Ex certificate	GYJ14.1308U	CCOE	In preparation
Nepsi Ex marking	Ex e IIC Gb, DIP A21	INMETRO	IEx 17.0020U
Note	The Klippon® TB enclosure range can be pre-fitted in our customer specific production department according to your wishes.		

Approvals for control and distribution box

ATEX certificate	IBExU14ATEX1050	IECEx certificate	IECEx IBE 14.0013
ATEX marking	⊕ II 2G Ex eb IIC/IIA T6/T5/T4 Gb ⊕ II 1G Ex ia IIC/IIA T6/T5/T4 Ga ⊕ II 2G Ex eb ia IIC/IIA T6/T5/T4 Gb ⊕ II 2D Ex tb IIIC T80°C/T95°C/T135°C Db ⊕ II 1D Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C ≤ Ta ≤ +40/+55/+90 °C	IECEx marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C
Nepsi Ex certificate	GYJ14.1309	INMETRO certificate	IEx 17.0021
Nepsi marking	Ex e IIC T4...T6 Gb Ex ia IIC T4...T6 Ga Ex e ia IIC T4...T6 Gb DIP A21 Ta 85°C...Ta 135°C Ex ia D20 T85 °C... T135 °C	INMETRO marking	Ex eb IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex eb ia IIC T6/T5/T4 Gb Ex tb IIIC 85°C/100°C/135°C Db IP66/IP67 Ex ia IIIC 85°C/100°C/135°C Da
EAC certificate	RUC-DE.08.B.01328	AEx certificate	E223792
EAC marking	II 2 G Ex eb IIC T6...T4 II 2 G Ex e IIC T6...T4 Gb II 1 G Ex ia IIC T6...T4 II 1 G Ex ia IIC T6...T4 Ga II 2(1) G Ex eb ia IIC T6...T4 II 2(1) G Ex e ia IIC T6...T4 Gb II 2 D Ex tb IIIC T85°C...T135°C II 2 D Ex tb IIIC T85°C...T135°C Db	AEx marking	Class I, Zone 1, AEx e IIC Gb T6...T4 Class I, Zone 2, AEx e IIC Gb T6...T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
KOSHA certificate	16-AV4B0-0245X		
KOSHA marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C		
Note	Labelling depends on the application layout. For details of power dissipation, please contact your Weidmüller representative. Additional approvals available on request.		

Klippon® TB FS – Fixing Screw

Steel enclosures

for use in industrial and in explosive hazard areas

The Klippon® TB enclosure range features superior performance characteristics, even under the most extreme environmental conditions. The Klippon® TB FS enclosure range complements our Klippon® TB MH and Klippon® TB QL standard enclosures.

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.

Features:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection class
- Earth studs in enclosure cover and bottom section
- Welded mounting feet



Overview of enclosures

Ordering data

Description	Length x width x depth in mm	0 Gland Plate	1 Gland Plate (below)	2 Gland Plates (above + below)	3 Gland Plates (below + sides)	4 Gland Plates (all sides)
KTb FS 221513 S4E_*	229 x 152 x 133	1195650000	1195660000	1195670000	1195680000	1195690000
KTb FS 262615 S4E_*	260 x 260 x 150	1195700000	1195710000	1195720000	1195730000	1195740000
KTb FS 262620 S4E_*	260 x 260 x 200	1195750000	1195760000	1195770000	1195780000	1195790000
KTb FS 303015 S4E_*	306 x 306 x 150	1195800000	1195810000	1195820000	1195830000	1195840000
KTb FS 303020 S4E_*	306 x 306 x 200	1195850000	1195860000	1195870000	1195880000	1195890000
KTb FS 352615 S4E_*	350 x 260 x 150	1195900000	1195910000	1195920000	1195930000	1195940000
KTb FS 352620 S4E_*	350 x 260 x 200	1195950000	1195960000	1195970000	1195980000	1195990000
KTb FS 403015 S4E_*	400 x 300 x 150	1196000000	1196010000	1196020000	1196030000	1196040000
KTb FS 403020 S4E_*	400 x 300 x 200	1196050000	1196060000	1196070000	1196080000	1196090000
KTb FS 453815 S4E_*	458 x 382 x 150	1196100000	1196110000	1196120000	1196130000	1196140000
KTb FS 453820 S4E_*	458 x 382 x 200	1196150000	1196160000	1196170000	1196180000	1196190000
KTb FS 484815 S4E_*	480 x 480 x 150	1196200000	1196210000	1196220000	1196230000	1196240000
KTb FS 484820 S4E_*	480 x 480 x 200	1196250000	1196260000	1196270000	1196280000	1196290000
KTb FS 553515 S4E_*	550 x 350 x 150	1196300000	1196310000	1196320000	1196330000	1196340000
KTb FS 553520 S4E_*	550 x 350 x 200	1196350000	1196360000	1196370000	1196380000	1196390000
KTb FS 624515 S4E_*	620 x 450 x 150	1196400000	1196410000	1196420000	1196430000	1196440000
KTb FS 624520 S4E_*	620 x 450 x 200	1196450000	1196460000	1196470000	1196480000	1196490000
KTb FS 765015 S4E_*	762 x 508 x 150	1196500000	1196510000	1196520000	1196530000	1196540000
KTb FS 765020 S4E_*	762 x 508 x 200	1196550000	1196560000	1196570000	1196580000	1196590000
KTb FS 916115 S4E_*	914 x 610 x 150	1196600000	1196610000	1196620000	1196630000	1196640000
KTb FS 916120 S4E_*	914 x 610 x 200	1196650000	1196660000	1196670000	1196680000	1196690000
KTb FS 987420 S4E_*	980 x 740 x 200	1196700000	1196710000	1196720000	1196730000	1196740000

Note

* Placeholder for the number of gland plates (0, 1, 2, 3, 4). The Klippon® TB FS enclosures are subject to a minimum order quantity.

Technical Overview

Technical data

Enclosure material*	Stainless steel 1.4404 (316L) 1.5 mm
Surface	Electroplished
IP protection class	IP66 / IP67 (IP66 to IEC EN 60079-0)
NEMA Rating	3, 4x, 12
Gland plates	1 - 4 (fixed with M6 hexagon head screws with a slot and 10 mm heads), optionally without a gland plate
Gland plate thickness	3 mm (other thickness are available on request)
Earthing inside	Enclosure base part and enclosure cover: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 9 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rails
Enclosure attachment	4 or 6 welded-on mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	Fully removable lid
Lid fixing	M6 hexagon head slotted screws SW10
Impact resistance	7J in accordance with IEC 60079-0, IK 09 (10J) in accordance with DIN EN 50102
Gasket material	Silicone
Operating temperature range	-60 °C...+105 °C (IP66/IP67), -60 °C...+135 °C (IP66)
Torque - cover and flange plate screws	2.5 Nm
Note	* Lacquered enclosures available on request.

Approvals for empty enclosures

ATEX certificate	IBExU14ATEX1028 U	EAC	RU-DE.08.B.00472
ATEX marking	II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db	cULus	E256877
		DNV GL	TAE000013S
IECEx certificate	IECEx IBE 14.0004U	Russian Maritime Register	15.40074.250
IECEx marking	Ex eb IIC Gb Ex tb IIIC Db	CCOE	In preparation
		INMETRO	IEx 17.0020U
Nepsi Ex certificate	GYJ14.1308U	AEx	E223792
Nepsi Ex marking	Ex e IIC Gb, DIP A21	Miscellaneous	EN 45545, DIN EN 15085-2/CL2
Note	The Klippon® TB enclosure range can be pre-fitted in our customer specific production department according to your wishes.		

Approvals for control and distribution box

ATEX certificate	IBExU14ATEX1050	IECEx certificate	IECEx IBE 14.0013
ATEX marking	⊕ II 2G Ex eb IIC/IIA T6/T5/T4 Gb ⊕ II 1G Ex ia IIC/IIA T6/T5/T4 Ga ⊕ II 2G Ex eb ia IIC/IIA T6/T5/T4 Gb ⊕ II 2D Ex tb IIIC T80°C/T95°C/T135°C Db ⊕ II 1D Ex ia IIC T80°C/T95°C/T135°C Da -60 °C ≤ Ta ≤ +40/+55/+90 °C	IECEx marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C
Nepsi Ex certificate	GYJ14.1309	INMETRO certificate	IEx 17.0021
Nepsi marking	Ex e IIC T4...T6 Gb Ex ia IIC T4...T6 Ga Ex e ia IIC T4...T6 Gb DIP A21 Ta 85°C...Ta 135°C Ex ia D20 T85 °C... T135 °C	INMETRO marking	Ex eb IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex eb ia IIC T6/T5/T4 Gb Ex tb IIIC 85°C/100°C/135°C Db IP66/IP67 Ex ia IIIC 85°C/100°C/135°C Da
EAC certificate	RUC-DE.08.B.01328	AEx certificate	E223792
EAC marking	II 2 G Ex eb IIC T6...T4 II 2 G Ex e IIC T6...T4 Gb II 1 G Ex ia IIC T6...T4 II 1 G Ex ia IIC T6...T4 Ga II 2(1) G Ex eb ia IIC T6...T4 II 2(1) G Ex e ia IIC T6...T4 Gb II 2 D Ex tb IIIC T85°C...T135°C II 2 D Ex tb IIIC T85°C...T135°C Db	AEx marking	Class I, Zone 1, AEx e IIC Gb T6..T4 Class I, Zone 2, AEx e IIC Gc T6..T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
KOSHA certificate	16-AV4B0-0245X		
KOSHA marking	Ex eb IIC/IIA T6/T5/T4 Gb Ex ia IIC/IIA T6/T5/T4 Ga Ex eb ia IIC/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C		
Note	Labelling depends on the application layout. For details of power dissipation, please contact your Weidmüller representative. Additional approvals available on request.		

Klippon® Protect – Terminal Boxes – Product overview Steel enclosures

Various types of terminal boxes are available for installing signal / power supplies or distributors in explosive risk zones.

The terminal boxes are explosion-protected equipment approved for use in Ex areas in zones 0, 1, 2 and 20, 21, 22.

They are certified in accordance with the latest international standards Ex e, Ex ia and Ex tb. Customer-specific configuration means these terminal boxes are the optimum solution for all applications. Use the product overview to find the right solution for you!

Combine the enclosure, with or without threaded holes, a suitable mounting rail or pre-fitted strip terminals.

We have put together a small selection for you, but we are happy to configure a bespoke solution for you.

Features:

- Available in a wide range of versions to meet customer requirements
- Additional international approvals alongside IECEx, ATEX and EAC also available
- Increased quality thanks to the use of established basic products in the Klippon® brand



Overview of enclosures

Terminal boxes based on the Klippon® TB range of enclosures

Description	Height x width x depth in mm	Marking	Approval	Order No.
KTb MH 221513 Exia	229 x 152 x 133	Ex ia IIC T4 Ga	IECEx, ATEX, EAC	8000028398
KTb MH 262615 Exia	260 x 260 x 150	Ex ia IIC T4 Ga	IECEx, ATEX, EAC	8000028399
KTb QL 303020 Exe	306 x 306 x 200	Ex eb IIC T6 Gb	IECEx, ATEX, EAC	8000028400
KTb QL 484820 Exe	480 x 480 x 200	Ex eb IIC T6 Gb	IECEx, ATEX, EAC	8000028401
Note				

Technical Overview

Technical data

Enclosures	
Material	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	Electropolished (Klippon® TB)
IP protection class	IP66 / IP67 to DIN EN 60529
Gasket material	Silicone
Terminal block	
Material	Wemid
Colour	beige, blue or green/yellow
Connection system	screw connection
Clampable wires (H05V/H07V)	solid, flexible and flexible with ferrule
Note	

Approvals for Klippon® TB

ATEX certificate	IBExU14ATEX1050
IECEx certificate	IECEx IBE 14.0013
EAC certificate	RUC-DE.08.B.01328
Note	

Klippon® Protect – Terminal Boxes Steel – Klippon® TB

Klippon® TB MH 221513 Ex ia terminal box

Depth 133 mm



Height / Width / Depth 229 / 152 / 133 mm

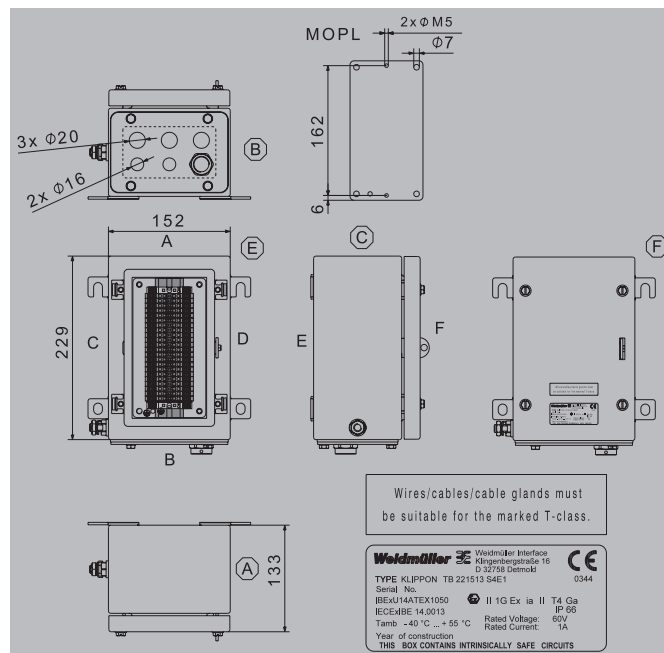
Ordering data

	Order No.
KTB MH 221513 Exia	8000028398
Note	

Technical data

Article - short description	Klippon® Klippon TB (Terminal Box)-Enclosures, Terminal Box
Identification	Ex ia IIC T4 Ga
Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050
Certificate no. assembled enclosure (IECEX)	IECEX IBE 14.0013
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31, EN/IEC 60079-26
Ambient temperature	Tamb -40°C...+55°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x22
Rated cross-section	4 mm²
Rated voltage	60 V
Rated current	1.00 A
Drill holes side A	none
Drill holes side B	2 x M16, 3 x M20, 1 x BDx
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	electropolished
Material thickness	1.5 mm
Material thickness of flange	3 mm
Gland plates	Bottom
Seal material	Silicone
Enclosure attachment	4 welded-on mounting feet with 11 mm hole size
Mounting dimension - height / -width	152 mm / 178 mm
Lid attachment	4 hinges and M6 hex-head slotted screws SW10
Access opening: height / Access opening: width	176 mm / 93 mm
Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.

Note



Accessories

Mounting plates and fastening screws	Order No.
Stainless steel 1.4301 natural	1193810000
Fastening screws for mounting plates	0642600000
Gland plate 3 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1280890000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256270000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281360000
Label holder	
70 x 70 angled stainless steel 1.4301	1279320000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Pressure compensating element with drainage function	
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M16, 3-12 mm	1460040000
Nickel-plated brass, Ex e, M20, 3-12 mm	1460050000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M16	1477820000
Stainless steel 1.4404 (316L), Ex e, M20	1477840000
Locknuts	
Nickel-plated brass, M16	1736990000
Nickel-plated brass, M20	1737000000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

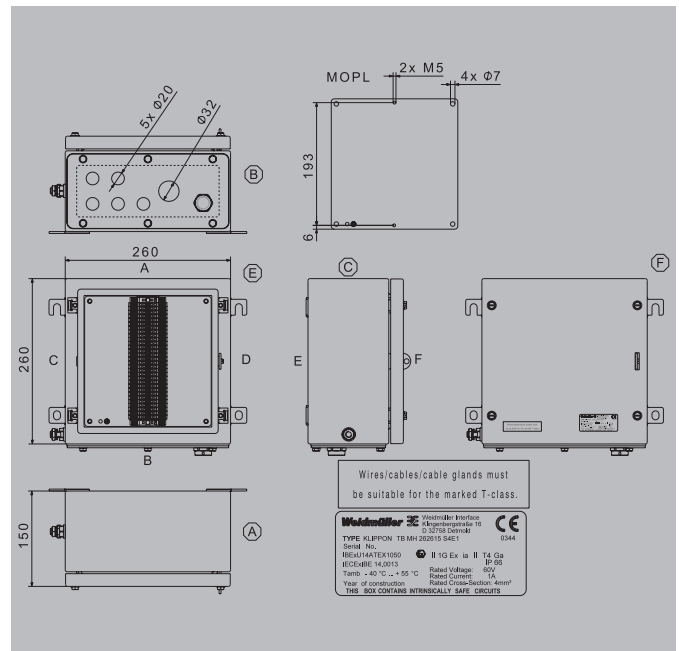
Reference products

	Order No.
KTB MH 221513 S4E1	1194560000
WDU 4 BL	1020180000
KLIPPON BDx M20 S	2519550000

Note

Klippon® TB MH 262615 Ex ia terminal box

Depth 150 mm



Height / Width / Depth 260 / 260 / 150 mm

Ordering data

	Order No.
KTB MH 262615 Exia	8000028399
Note	

Technical data

Article - short description	Klippon® Klippon TB (Terminal Box)-Enclosures, Terminal Box
Identification	Ex ia IIC T4 Ga
Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050
Certificate no. assembled enclosure (IECEx)	IECEx IBE 14.0013
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31, EN/IEC 60079-26
Ambient temperature	Tamb -40°C...+55°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x30
Rated cross-section	4 mm²
Rated voltage	60 V
Rated current	1.00 A
Drill holes side A	none
Drill holes side B	5 x M20, 1 x M32, 1 x BDx
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	electropolished
Material thickness	1.5 mm
Material thickness of flange	3 mm
Gland plates	Bottom
Seal material	Silicone
Enclosure attachment	4 welded-on mounting feet with 11 mm hole size
Mounting dimension - height / -width	170 mm / 286 mm
Lid attachment	4 hinges and M6 hex-head slotted screws SW10
Access opening: height / Access opening: width	207 mm / 201 mm
Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.

Note

Accessories

Mounting plates and fastening screws	Order No.
Stainless steel 1.4301 natural	1193820000
Fastening screws for mounting plates	0642600000
Gland plate 3 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1280910000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256290000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281370000
Label holder	
100x25 stainless steel 1.4301	1257640000
130x50 stainless steel 1.4301	1283450000
70 x 70 angled stainless steel 1.4301	1279320000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Document holders	
For DIN A6 size documents	1252780000
Pressure compensating element with drainage function	
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M20, 3-12 mm	1460050000
Nickel-plated brass, Ex e, M32, 14-24 mm	1460080000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M20	1477840000
Stainless steel 1.4404 (316L), Ex e, M32	1477890000
Locknuts	
Nickel-plated brass, M20	1737000000
Nickel-plated brass, M32	1737020000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

Reference products

	Order No.
KTB MH 262615 S4E1	1194610000
WDU 4 BL	1020180000
KLIPPON BDx M20 S	2519550000

Note

Klippon® Protect – Terminal Boxes Steel – Klippon® TB

Klippon® TB QL 303020 Ex e terminal box

Depth 200 mm



Height / Width / Depth 306 / 306 / 200 mm

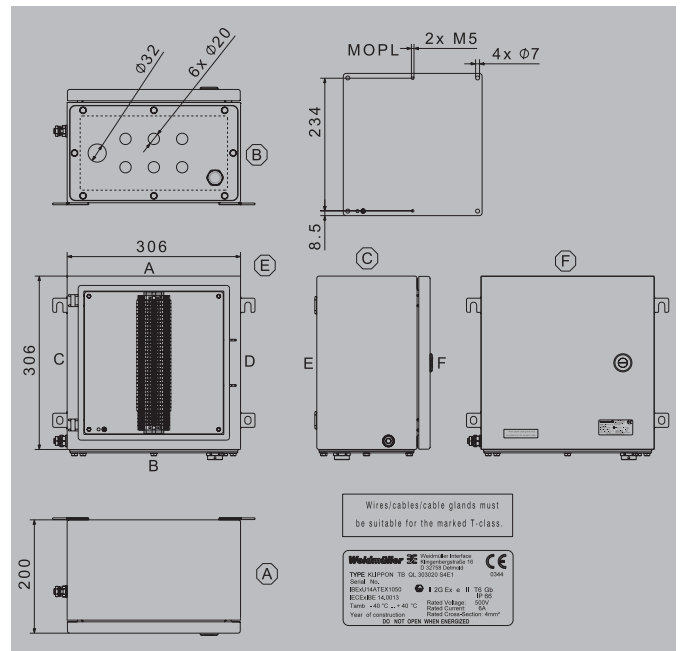
Ordering data

	Order No.
KTB QL 303020 EXE	8000028400
Note	

Technical data

Article - short description	Klippon® Klippon TB (Terminal Box)-Enclosures, Terminal Box
Identification	Ex eb IIC T6 Gb
Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050
Certificate no. assembled enclosure (IECEx)	IECEx IBE 14.0013
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-31
Ambient temperature	Tamb -40°C...+40°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x32, 4 x PE
Rated cross-section	4 mm²
Rated voltage	550 V
Rated current	6.00 A
Drill holes side A	none
Drill holes side B	6 x M20, 1 x M32, 1 x BDx
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	electropolished
Material thickness	1.5 mm
Material thickness of flange	3 mm
Gland plates	Bottom
Seal material	Silicone
Enclosure attachment	4 welded-on mounting feet with 11 mm hole size
Mounting dimension - height / -width	203 mm / 332 mm
Lid attachment	Quarter-turn fastener with slotted insert
Access opening: height / Access opening: width	253 mm / 247 mm
Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.

Note



Accessories

Mounting plates and fastening screws	Order No.
Stainless steel 1.4301 natural	1193830000
Fastening screws for mounting plates	0642600000
Gland plate 3 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1280970000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256360000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281400000
Label holder	
100x25 stainless steel 1.4301	1257640000
130x50 stainless steel 1.4301	1283450000
70 x 70 angled stainless steel 1.4301	1279320000
Document holders	
For DIN A6 size documents	1252780000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Pressure compensating element with drainage function	
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M20, 3-12 mm	1460050000
Nickel-plated brass, Ex e, M32, 14-24 mm	1460080000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M20	1477840000
Stainless steel 1.4404 (316L), Ex e, M32	1477890000
Locknuts	
Nickel-plated brass, M20	1737000000
Nickel-plated brass, M32	1737020000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

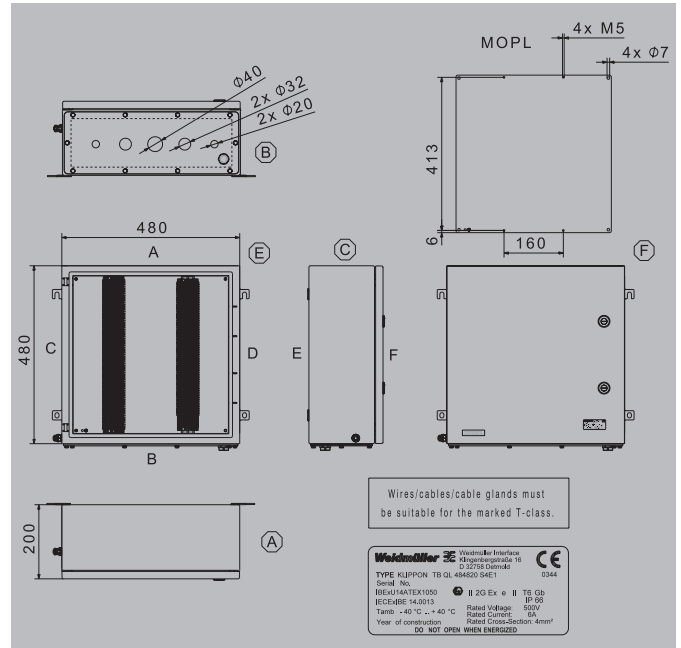
Reference products

	Order No.
KTB QL 303020 S4E1	1200070000
WDU 4	1020100000
WPE 4	1010100000
KLIPON BDx M20 S	2519550000

Note

Klippon® TB QL 484820 Ex e terminal box

Depth 200 mm



Height / Width / Depth 480 / 480 / 200 mm

Ordering data

	Order No.
KTB QL 484820 Ex e	8000028401
Note	

Technical data

Article - short description	Klippon® Klippon TB (Terminal Box)-Enclosures, Terminal Box
Identification	Ex eb IIC T6 Gb
Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050
Certificate no. assembled enclosure (IECEx)	IECEx IBE 14.0013
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-31
Ambient temperature	Tamb -40°C...+40°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x66, 1x59, 5 x PE
Rated cross-section	4 mm²
Rated voltage	550 V
Rated current	6.00 A
Drill holes side A	none
Drill holes side B	2 x M20, 2 x M25, 1 x M40
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	electropolished
Material thickness	1.5 mm
Material thickness of flange	3 mm
Gland plates	Bottom
Seal material	Silicone
Enclosure attachment	4 welded-on mounting feet with 11 mm hole size
Mounting dimension - height / -width	327 mm / 506 mm
Lid attachment	Quarter-turn fastener with slotted insert
Access opening: height / Access opening: width	427 mm / 421 mm
Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.
Note	

Accessories

Mounting plates and fastening screws	Order No.
Stainless steel 1.4301 natural	1193870000
Fastening screws for mounting plates	0642600000
Gland plate 3 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1281130000
Gland plates and screws - 6 mm	
Top and bottom sides (A & B), electropolished stainless steel 1.4404	1256550000
Mounting screw, stainless steel 1.4404	1253230000
Rain hoods	
Stainless steel 1.4301, mirror-polished	1281480000
Label holder	
100x25 stainless steel 1.4301	1257640000
130x50 stainless steel 1.4301	1283450000
70 x 70 angled stainless steel 1.4301	1279320000
Document holders	
For DIN A6 size documents	1252780000
For DIN A4 size documents	1252730000
Earthing stud	
Stainless steel 1.4404, M10	1192690000
Pressure compensating element with drainage function	
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M20, 3-12 mm	1460050000
Nickel-plated brass, Ex e, M25, 10-18 mm	1460070000
Nickel-plated brass, Ex e, M40, 22-32 mm	1460090000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M20	1477840000
Stainless steel 1.4404 (316L), Ex e, M25	1477870000
Stainless steel 1.4404 (316L), Ex e, M40	1477910000
Locknuts	
Nickel-plated brass, M20	1737000000
Nickel-plated brass, M25	1737010000
Nickel-plated brass, M40	1737030000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

Reference products

	Order No.
KTB QL 484820 S4E1	1200510000
WDU 4	1020100000
WPE 4	1010100000
KLIPPON BDX M20 S	2519550000
Note	

Perfect protection for your components

Klippon® EBi stainless steel enclosures for industrial applications

C

Industrial environments place high demands on the enclosures. Even moderate environmental conditions require sophisticated measures for protecting the internal components from dust and moisture to ensure trouble-free operation.

Klippon® EBi stainless steel enclosures provide perfect protection for instrumentation, distribution, and control applications. All versions are dust- and water ingress-proof to IP66 or NEMA 4X and impact-resistant to IK09. They are made of durable 1.4301 stainless steel and comply with the latest international standards. The Klippon® EBi enclosures are available with or without a bottom gland plate. Lid fixing options include either a quarter lock (QL) as standard or a fixing screw (FS) version which is available on a request basis.

Your special advantages:

- Protection class IP66 / NEMA 4X
- Impact resistance according to IK09
- International conformity according to EN 62208, DNV GL and UL
- Operating temperatures from -40 °C to +85 °C
- PUR cover gasket for protection and safety
- Flexible wall assembly thanks to rear mounting holes or mounting feet (optional)
- Individual configuration supported by the Weidmüller Configurator (WMC)



Quarter Lock Insert

Hinged door with a quarter lock facility ensures safe and easy accessibility. If required, hinges can be placed on either side of the enclosure to support side by side placement.



Gland plate with Torx® screws

Torx® screws (M5/T20) are used for gland plate mounting to facilitate compliance with the required torque.



Flexible mounting

A dedicated mounting profile facilitates the flexible, simple and secure installation of mounting rails or mounting plates for component installation within the enclosure.

Klippon® EBi QL – Quarter Lock

Stainless steel enclosures for use within harsh industrial environments

Even under moderate environmental conditions, there is an increasing need for complex, individual automated solutions. A harsh industrial environment places additional, heavy demands on applications and determines the design of the industrial enclosures to meet these demands. With complete protection and excellent durability, our Klippon® EBi stainless steel enclosures offer the best protection for the components inside them.

- Available in 11 sizes and 2 depths
- Impact resistance IK09 (10J) in accordance with DIN EN 50102 for industrial applications
- Dedicated internal mounting support bracket for fixing terminal rail or mounting plates with self forming screws
- Concealed hinges
- Supplied in 0 or 1 gland plate version
- Direct enclosure mounting is provided via the fixing positions placed into the rear of the enclosure
- Mounting feet in stainless steel are optionally available and can be rotated 90°
- Dust and moisture channel
- Double-bit locking system

Our assembly service can supply these enclosure preassembled with terminals, electronics and cable glands.



Overview of enclosures

Ordering data

Description	Height x width x depth in mm	0 Gland Plate	1 Gland Plate (below)
KEBi QL 302015 S2B_**	300 x 200 x 150	2470690000	2470800000
KEBi QL 303015 S2B_**	300 x 300 x 150	2470700000	2470810000
KEBi QL 303022 S2B_**	300 x 300 x 220	2470710000	2470820000
KEBi QL 403015 S2B_*	400 x 300 x 150	2470720000	2470830000
KEBi QL 403022 S2B_*	400 x 300 x 220	2470730000	2470840000
KEBi QL 404022 S2B_*	400 x 400 x 220	2470740000	2470850000
KEBi QL 504022 S2B_*	500 x 400 x 220	2470750000	2470860000
KEBi QL 505022 S2B_*	500 x 500 x 220	2470760000	2470870000
KEBi QL 604022 S2B_*	600 x 400 x 220	2470770000	2470880000
KEBi QL 606022 S2B_*	600 x 600 x 220	2470780000	2470890000
KEBi QL 806022 S2B_*	800 x 600 x 220	2470790000	2470900000
Note		*Placeholder for the number of gland plates (0 or 1), **smaller reference size for material thickness	

Technical Overview

Features

- Available in 11 sizes and 2 standard depths
- Welded mounting bracket for securing the mounting plate or mounting rail by means of self-tapping screws
- External earth - M6 earth rivet
- Concealed hinges
- M6 earthing bolt welded in the cover and base of the enclosure
- Available with 0 or 1 gland plates
- Optimised laser welding, high quality standard
- Direct mounting of the enclosure with rear mounting holes
- Mounting feet in stainless steel are optionally available, and can be rotated by 90°
- Moisture and dust channel
- Double-bit locking system
- Permanent labelling of items
- Key included for sash lock
- Packaging optimally designed for enclosure

Note

Technical data

Material	Stainless steel 1.4301 (304) 1.5 mm (1.25 mm for smaller sizes**)
Surface	Brushed – grain size 240
IP protection class	IP 66 to DIN EN 60529
NEMA Rating	3, 4x, 5
Gland plates	Stainless steel 1.4301 (304) 2 mm, fitted with M5 Torx T20 screws
Earthing inside	Welded-on M6 stainless-steel earth stud in enclosure lid and base
Earthing outside	External earth position – suitable for M6 threaded screw
Installation mounting	Welded mounting bracket for flexible mounting of the mounting plate, rails or TAS 20 rails. They contain 4.51 mm drill holes for accommodating the mounting plate or TS/TAS by means of self-tapping screws (1274150000)
Enclosure attachment	Direct mounting (9 mm mounting holes on rear wall) or via mounting feet (optionally available), adjustable by 90°
Lid opening	125°
Lid fixing	Quarter lock with double bit
Impact resistance	IK09 (10J) to DIN EN 50102
Gasket material	Polyurethane (PUR) foam (cover), EPDM flat gasket (gland plate)
Operating temperature range	-40 °C ... +85 °C
Tightening torque of gland plates screws*	2.5 Nm
Note	*SD TH20 screwdriver (9009160000) optionally available

Approvals for empty enclosures

Empty enclosure standard	DIN EN 62208
DNV GL	TAE00002RN
cULus	E 243298
Note	For details of power dissipation, please contact your Weidmüller representative.

Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 302015

Depth 150 mm



Height / Width / Depth 300 / 200 / 150 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470690000
1 gland plate - positioned at the bottom (B)	2470800000

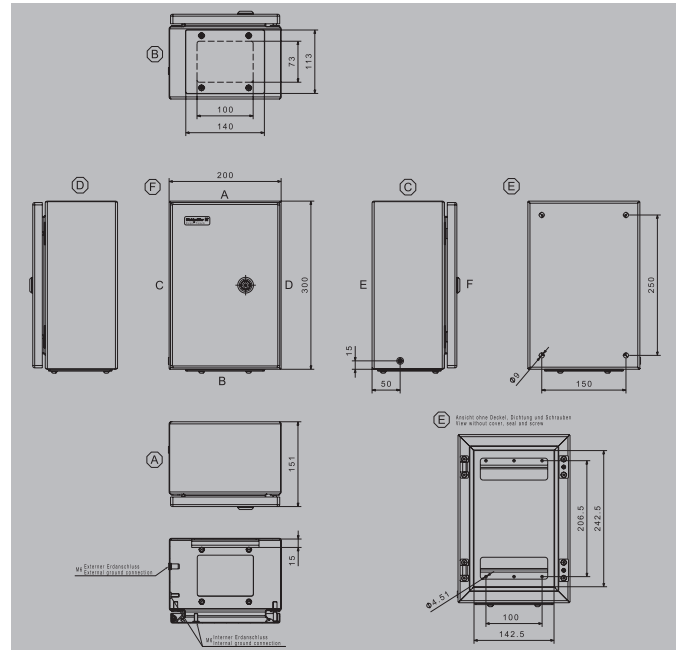
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1309690000
Stainless steel 1.4301 natural	1309700000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037556
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

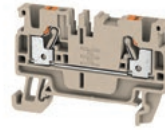
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x36	3x17
4 mm ²	1x30	3x14
6 mm ²	1x23	3x11
10 mm ²	1x18	3x9
16 mm ²	1x15	3x7
35 mm ²	1x11	3x5



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
 IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

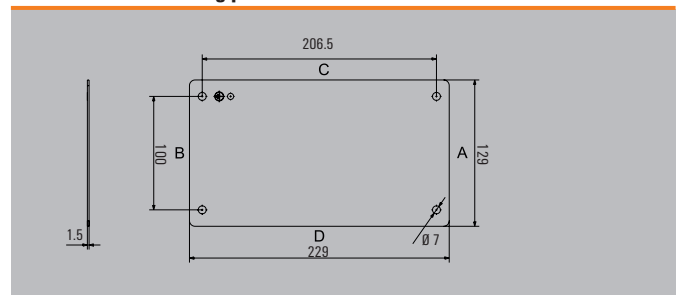
Cable entries	A / B	C / D
M12	21	33
M16	15	27
M20	8	14
M25	6	12
M32	3	5
M40	2	4
M50	2	3
M63	1	2
M75		



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL 303015

Depth 150 mm



Height / Width / Depth 300 / 300 / 150 mm

Ordering data

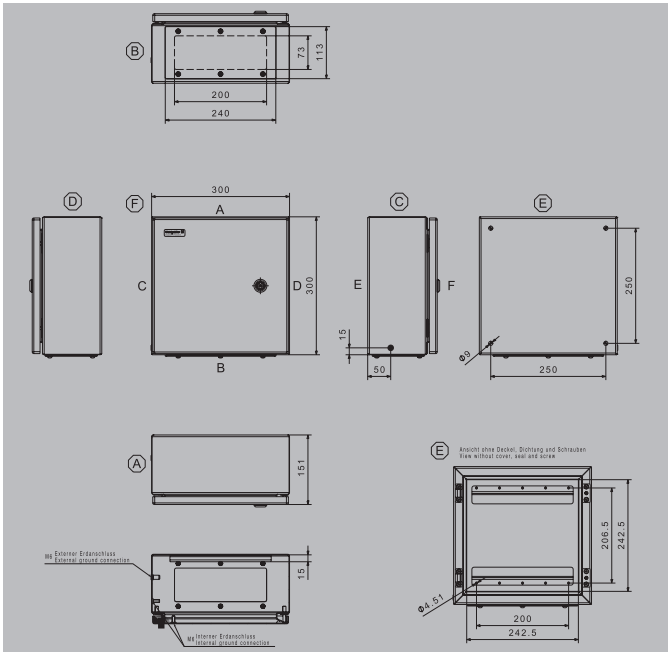
Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470700000
1 gland plate - positioned at the bottom (B)	2470810000

Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310410000
Stainless steel 1.4301 natural	1310320000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037556
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	3x36	3x36
4 mm²	3x30	3x30
6 mm²	3x23	3x23
10 mm²	3x18	3x18
16 mm²	3x15	3x15
35 mm²	3x11	3x11

Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

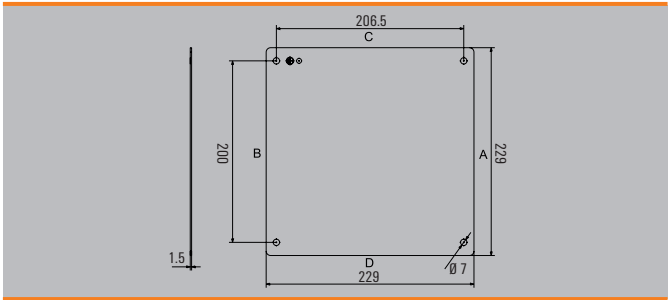
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	33	33
M16	27	27
M20	14	14
M25	12	12
M32	5	5
M40	4	4
M50	3	3
M63	2	2
M75		

Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 303022

Depth 220 mm



Height / Width / Depth 300 / 300 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470710000
1 gland plate - positioned at the bottom (B)	2470820000

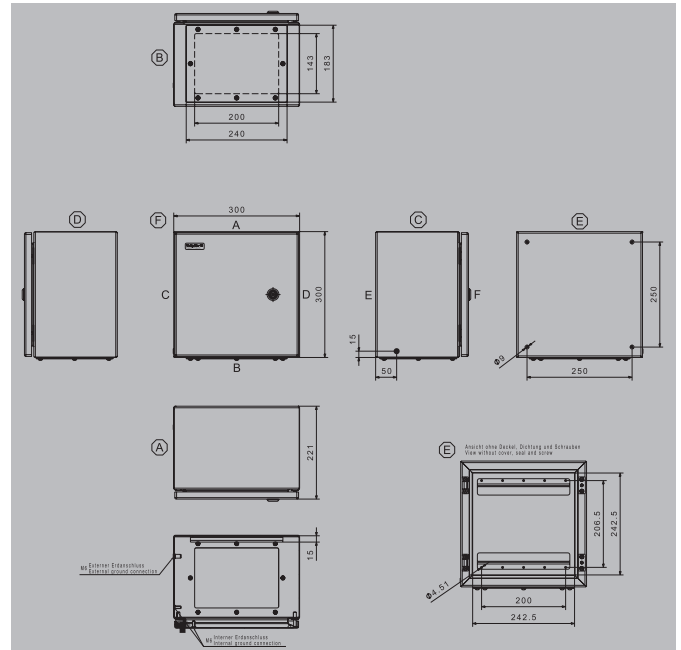
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310410000
Stainless steel 1.4301 natural	1310320000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037556
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

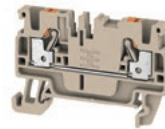
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	3x36	3x36
4 mm²	3x30	3x30
6 mm²	3x23	3x23
10 mm²	3x18	3x18
16 mm²	3x15	3x15
35 mm²	3x11	3x11



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

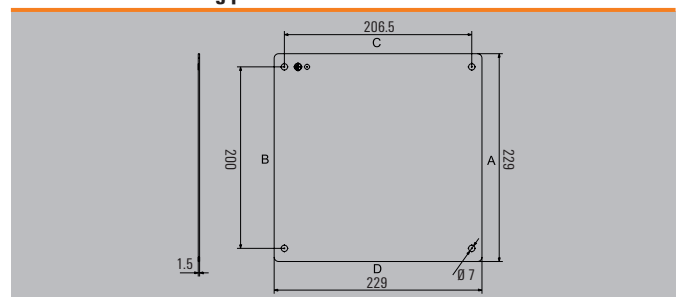
Cable entries	A / B	C / D
M12	76	76
M16	45	45
M20	28	28
M25	18	18
M32	15	15
M40	8	8
M50	6	6
M63	2	2
M75	2	2



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL 403015

Depth 150 mm



Height / Width / Depth 400 / 300 / 150 mm

Ordering data

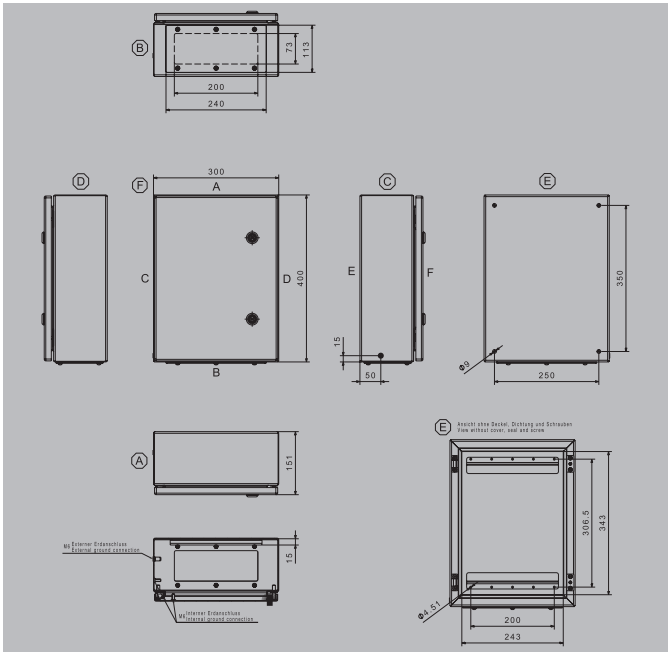
Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470720000
1 gland plate - positioned at the bottom (B)	2470830000

Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310420000
Stainless steel 1.4301 natural	1310330000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037555
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x56	4x36
4 mm ²	3x47	4x30
6 mm ²	3x35	4x23
10 mm ²	3x28	4x18
16 mm ²	3x23	4x15
35 mm ²	3x18	4x11

Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

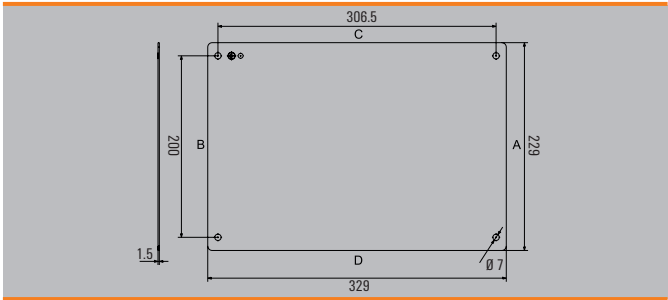
Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	33	48
M16	27	39
M20	14	20
M25	12	16
M32	5	7
M40	4	5
M50	3	4
M63	2	3
M75		

Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 403022

Depth 220 mm



Height / Width / Depth 400 / 300 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470730000
1 gland plate - positioned at the bottom (B)	2470840000

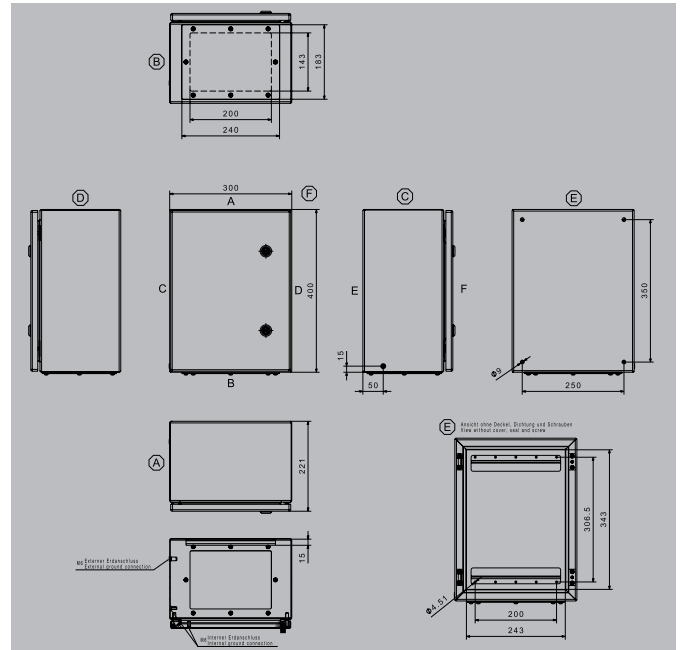
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310420000
Stainless steel 1.4301 natural	1310330000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037555
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

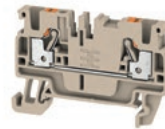
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	3x56	4x36
4 mm ²	3x47	4x30
6 mm ²	3x35	4x23
10 mm ²	3x28	4x18
16 mm ²	3x23	4x15
35 mm ²	3x18	4x11



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

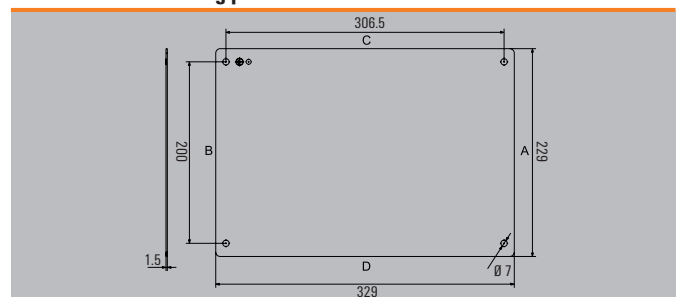
Cable entries	A / B	C / D
M12	76	112
M16	45	65
M20	28	40
M25	18	24
M32	15	21
M40	8	10
M50	6	8
M63	2	3
M75	2	2



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL 404022

Depth 220 mm



Height / Width / Depth 400 / 400 / 220 mm

Ordering data

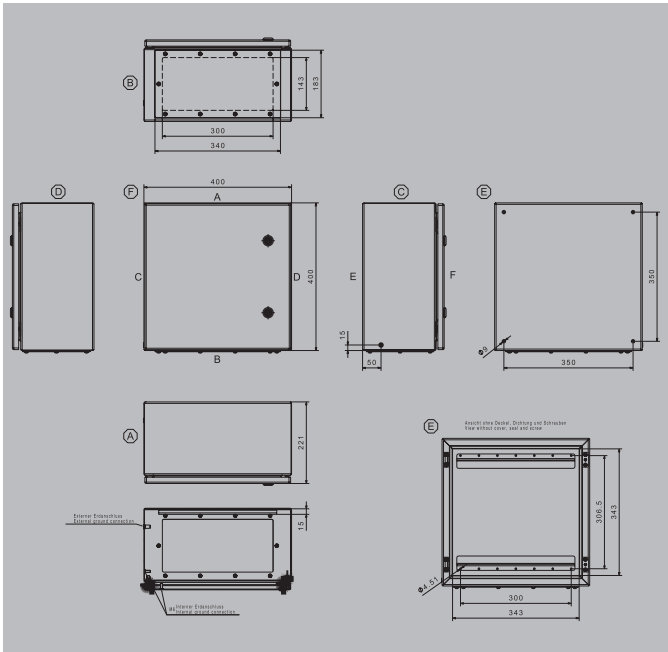
Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470740000
1 gland plate - positioned at the bottom (B)	2470850000

Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310430000
Stainless steel 1.4301 natural	1310340000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037555
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	4x56	4x56
4 mm ²	4x47	4x47
6 mm ²	4x35	4x35
10 mm ²	4x28	4x28
16 mm ²	4x23	4x23
35 mm ²	4x18	4x18

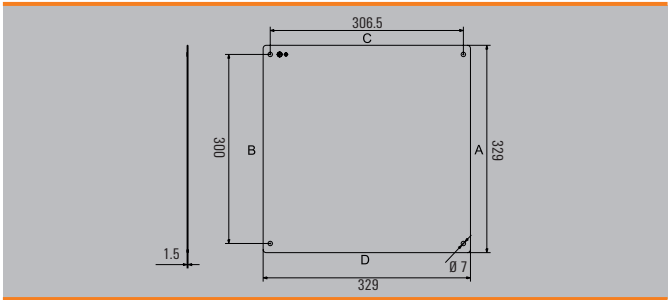
Note The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	112	112
M16	65	65
M20	40	40
M25	24	24
M32	21	21
M40	10	10
M50	8	8
M63	3	3
M75	2	2

Note Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 504022

Depth 220 mm



Height / Width / Depth 500 / 400 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470750000
1 gland plate - positioned at the bottom (B)	2470860000

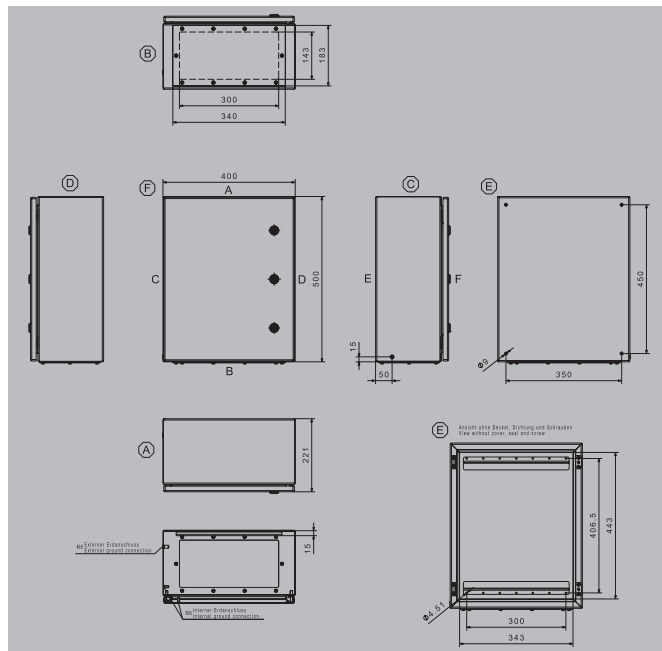
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310440000
Stainless steel 1.4301 natural	1310350000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037554
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

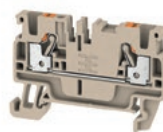
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	4x75	6x56
4 mm²	4x63	6x47
6 mm²	4x47	6x35
10 mm²	4x38	6x28
16 mm²	4x32	6x23
35 mm²	4x24	6x18



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

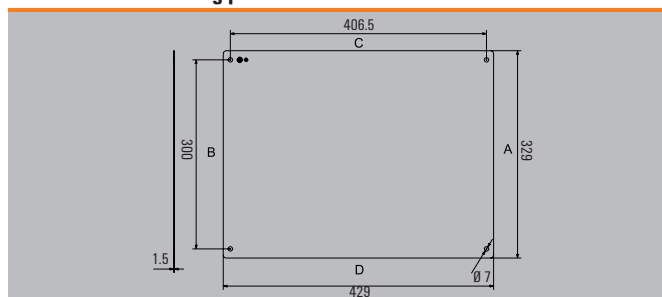
Cable entries	A / B	C / D
M12	112	140
M16	65	85
M20	40	52
M25	24	33
M32	21	27
M40	10	14
M50	8	10
M63	3	4
M75	2	3



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL 505022

Depth 220 mm



Height / Width / Depth 500 / 500 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470760000
1 gland plate - positioned at the bottom (B)	2470870000

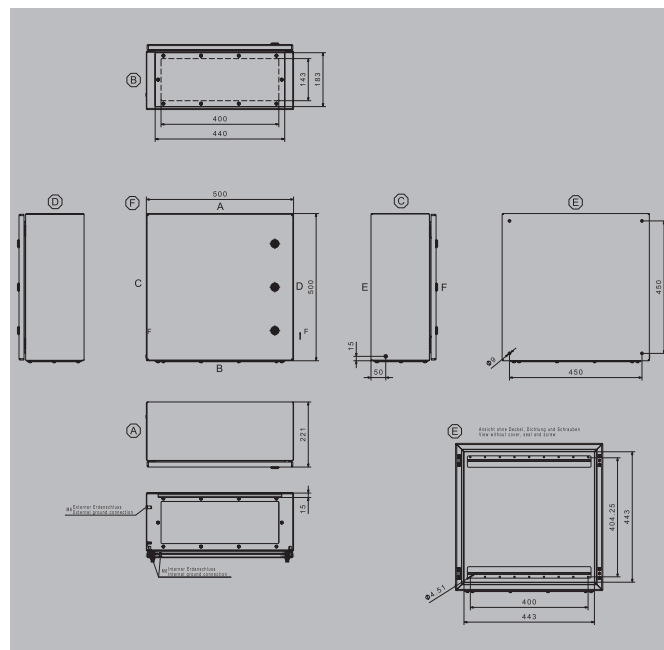
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310450000
Stainless steel 1.4301 natural	1310360000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037554
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

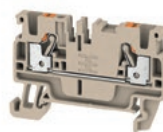
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	6x75	6x75
4 mm ²	6x63	6x63
6 mm ²	6x47	6x47
10 mm ²	6x38	6x38
16 mm ²	6x32	6x32
35 mm ²	6x24	6x24



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
 IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

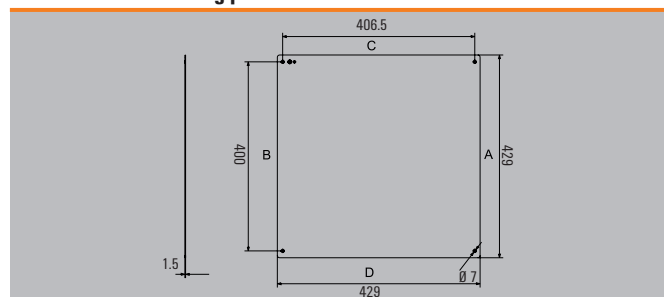
Cable entries	A / B	C / D
M12	140	140
M16	85	85
M20	52	52
M25	33	33
M32	27	27
M40	14	14
M50	10	10
M63	4	4
M75	3	3



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 604022

Depth 220 mm



Height / Width / Depth 600 / 400 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470770000
1 gland plate - positioned at the bottom (B)	2470880000

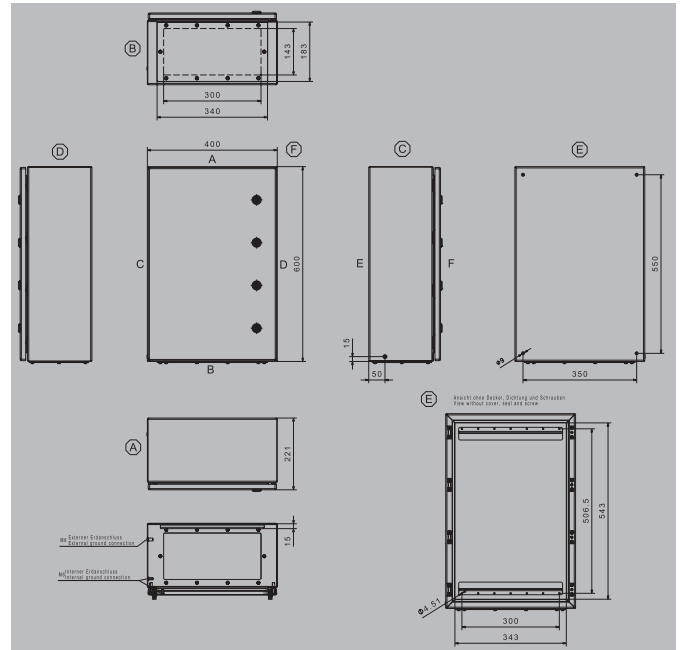
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310460000
Stainless steel 1.4301 natural	1310370000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037553
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

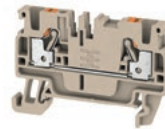
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	4x94	8x56
4 mm ²	4x79	8x47
6 mm ²	4x60	8x35
10 mm ²	4x48	8x28
16 mm ²	4x40	8x23
35 mm ²	4x30	8x18



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

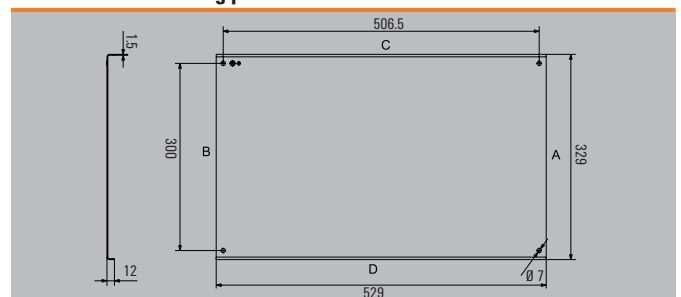
Cable entries	A / B	C / D
M12	112	176
M16	65	96
M20	40	64
M25	24	39
M32	21	33
M40	10	16
M50	8	14
M63	3	5
M75	2	4



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL 606022

Depth 220 mm



Height / Width / Depth 600 / 600 / 220 mm

Ordering data

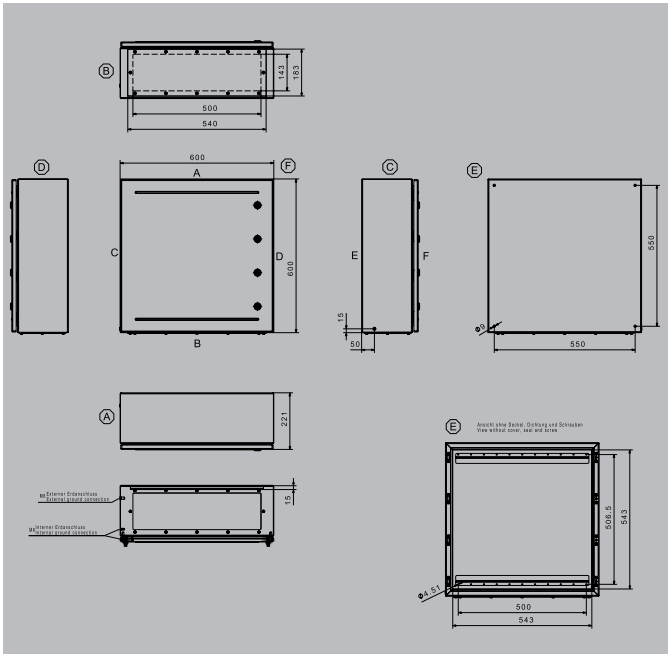
Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470780000
1 gland plate - positioned at the bottom (B)	2470890000

Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310470000
Stainless steel 1.4301 natural	1310380000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037553
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	
	2473930000

Note *Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
**Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	8x94	8x94
4 mm ²	8x79	8x79
6 mm ²	8x60	8x60
10 mm ²	8x48	8x48
16 mm ²	8x40	8x40
35 mm ²	8x30	8x30

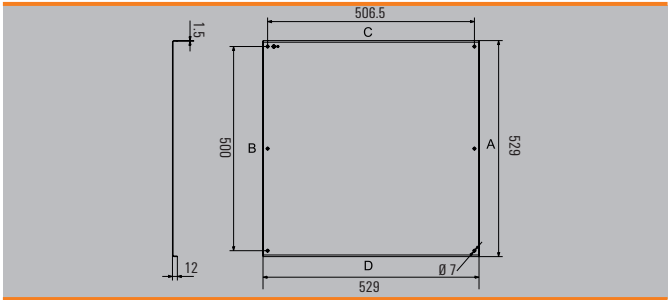
Note The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH
IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	165	176
M16	96	96
M20	64	64
M25	39	39
M32	33	33
M40	16	16
M50	14	14
M63	5	5
M75	4	4

Note Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® EBi QL – Quarter Lock

Klippon® EBi QL 806022

Depth 220 mm



800 / 600 / 220 mm

Ordering data

Stainless steel 1.4301 (304), brushed	Order No.
0 gland plates	2470790000
1 gland plate - positioned at the bottom (B)	2470900000

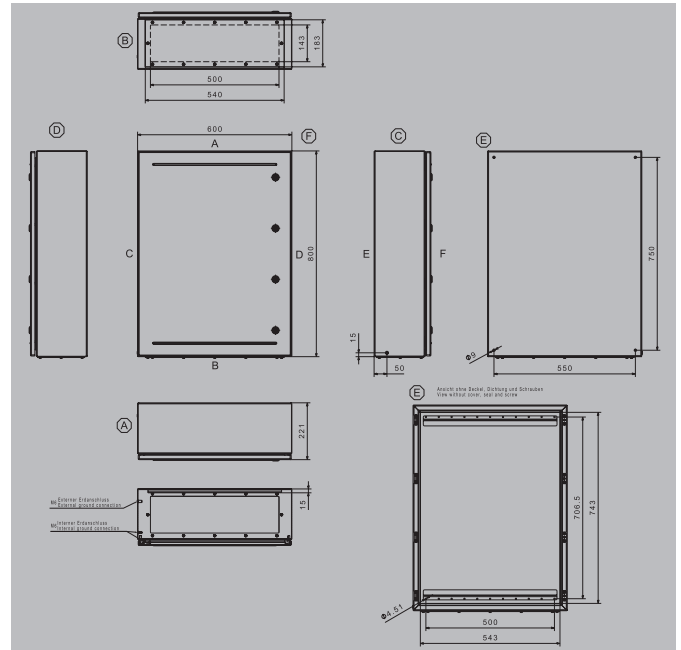
Note

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	1310480000
Stainless steel 1.4301 natural	1310390000
Fastening screws for terminal rails*	1274150000
Mounting rails**, TS35x7.5	
Vertical	8000037552
Stainless steel spacer M6 x 8, Set of 4	
10 mm length	0935110000
15 mm length	0935120000
20 mm length	0935130000
30 mm length	0935140000
Mild steel nickel plated Spacer M6 x 8, set of 2	
15 mm length	3896100000
20 mm length	3896200000
30 mm length	3896300000
Mounting feet, set containing 4 pieces each	
Stainless steel 1.4301 natural	1289180000
Lock inserts	
Slot	1191600000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Double-bit key	2473930000

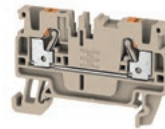
Note

*Packing unit (PU) = 20 pcs., sufficient for 10 fixtures
 **Packing unit (PU) = 20 pcs., fixing screws 1274150000 available separately



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	8x133	11x94
4 mm ²	8x111	11x79
6 mm ²	8x84	11x60
10 mm ²	8x67	11x48
16 mm ²	8x56	11x40
35 mm ²	8x42	11x30



Note

The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Order recommendations:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

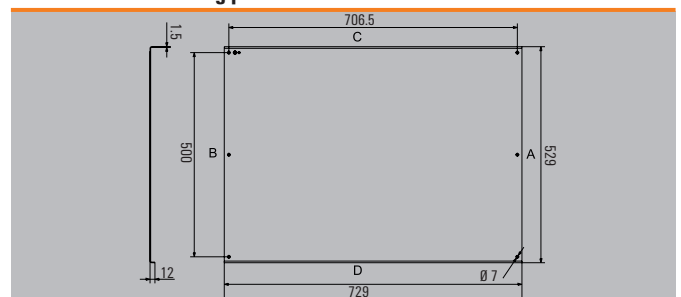
Cable entries	A / B	C / D
M12	165	222
M16	96	140
M20	64	88
M25	39	54
M32	33	45
M40	16	22
M50	14	18
M63	5	7
M75	4	5



Note

Our IP 68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® STB stainless and sheet steel enclosures

Protection for industrial standard applications and potentially explosive atmospheres

The Klippon® STB range manufactured from either sheet or stainless steel is the perfectly designed Small Terminal Box. It provides the ideal connection point for either industrial or harsh environment applications.

The name Klippon® has long been synonymous for competence and quality in the supply of enclosures and customer solutions. This philosophy continues with our Klippon® STB range of enclosures.

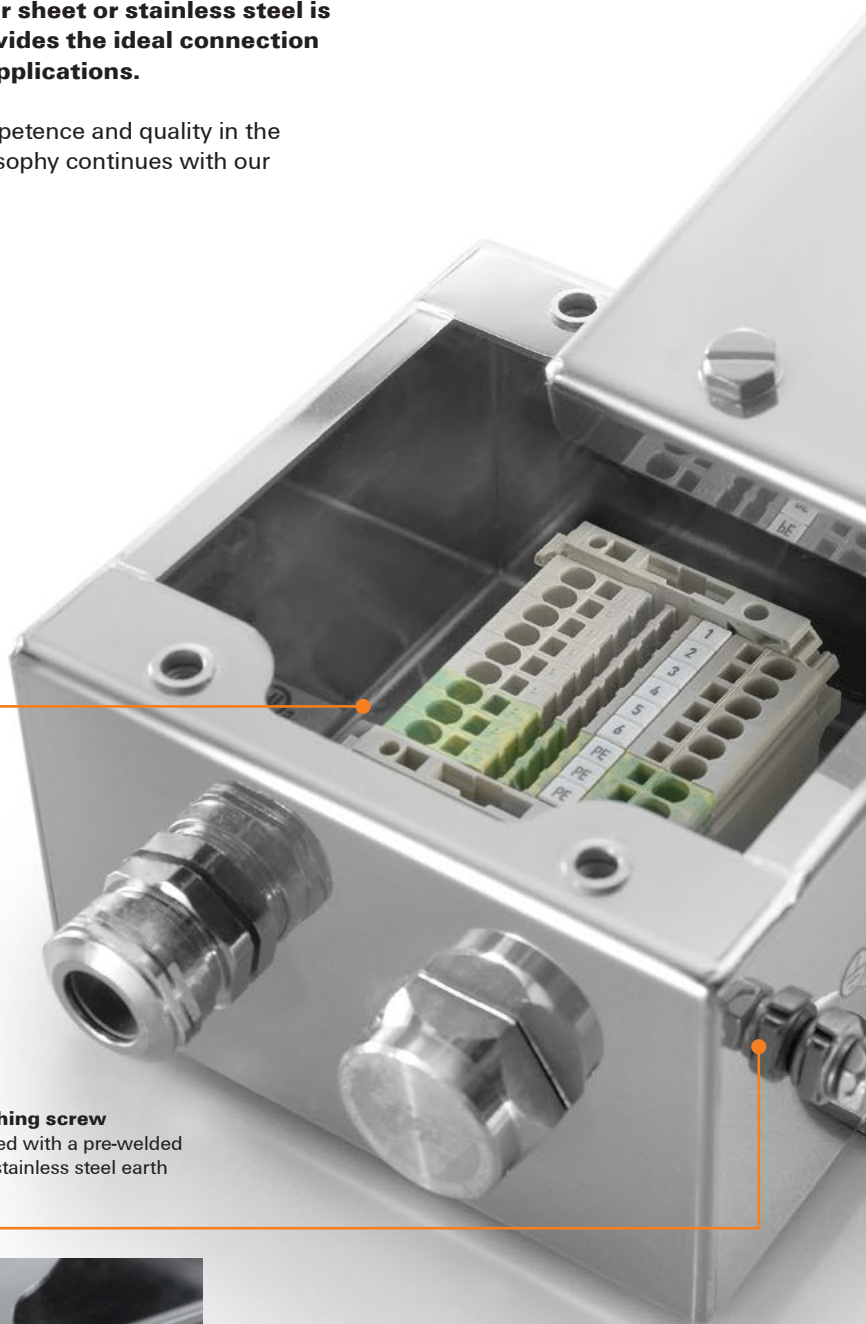
Flexible, internal mounting options

Terminal rails can be installed on the industry standard mounting rails using the provided fixing set with welded C-profile (TAS 20). A maximum possible internal working area is provided while ensuring a stable and flexible area for the rail assembly.



Internal / external earthing screw

The enclosures are supplied with a pre-welded internal and external M6 stainless steel earth stud.



Approvals

Klippon® STB enclosures have the latest international approvals.

**Enhanced sealing performance**

The new silicon seal has impressive thermal properties and can withstand temperatures from -60 °C to +120 °C. Compression protection ensures the complete functionality of the seal.

**Mounting lugs**

Mounting lugs are pre-fitted as standard. They are vibration and shock resistant and designed to be secure in operation.

**Industries**

Klippon® STB enclosures can be used in a variety of applications. For example, they are ideal for use in standard applications such as machine construction or transportation. They can also be used in explosive risk zones in the process and petrochemical industry.

**Customised solutions**

Weidmüller delivers enclosures in the Klippon® STB series connection ready. With Klippon Services, Weidmüller offers extensive consultation, engineering and installation services for modified enclosures. Depending on the customer- and industry-specific application, the enclosures can be modified and, subject to international specifications and regulations, sent worldwide together with a wide range of accessories.



Klippon® STB – Small Terminal Box

Steel enclosures

Ideally suited for the energy and process industry and transportation, the Klippon® STB range is the perfect complement to our existing Klippon® enclosure product line. Enclosures of this range comply with international standards.

Some of the many advantages of these cases are:

- Available in stainless steel or in steel sheet
- Higher temperature resistant seals than the standard
- Flexible options when mounting the internal rail
- The gasket is protected against compression; this ensures that a permanent and secure seal is maintained.
- Earth studs in the lid and in the enclosure base
- Lasered welding seams offer improved quality
- Delivered with welded mounting feet to ensure an sturdy enclosure installation

Weidmüller can manufacture and supply this enclosure to match customer specifications and fitted with all necessary terminals and cable glands.



Overview of enclosures

Ordering data

Description	Height x width x depth in mm	Mirror-polish	Electropolished	Powder-coated (RAL7032)
Klippon® STB 1	120 x 120 x 80	1002690000	1058810000	1024970000
Klippon® STB 1.1	150 x 120 x 80	1002750000	1058820000	1024980000
Klippon® STB 2	150 x 150 x 90	1002740000	1058830000	1024990000
Klippon® STB 2.1	190 x 150 x 90	1002730000	1058840000	1025010000
Klippon® STB 3	190 x 190 x 100	1002720000	1058850000	1025020000
Klippon® STB 4	250 x 250 x 120	1002710000	1058860000	1025030000
Klippon® STB 5	160 x 380 x 120	1002700000	1058880000	1025040000
Klippon® STB 6	250 x 400 x 130	1002760000	1058870000	1025050000
Note				

Technical Overview

Features

- Mirror-polished or electropolished stainless steel 1.4404 (316L) or powder coated steel sheet 1.0330
- Fitted with a welded, internal C-profile rail (TAS 20) and mounting feet
- Laser cut weld seams
- Approved according to the latest international standards

Note We deliver enclosures through our assembly service which are ready to be connected and suitable for every application

Technical data

	Stainless steel	Sheet steel
Enclosure material	Stainless steel 1.4404 (316L) in 1.50 mm	Steel sheet 1.0330 in 1.50 mm
Surface finish	Mirror-polished, electropolished	Powder-coated RAL 7032
IP protection class	IP 66	IP 66
NEMA Rating	4, 4x	
Earthing	Enclosure base part: internal / external M6 stainless steel Lid: M6 x 10 stainless steel	Enclosure base part: internal / external M6 stainless steel Lid: M6 x 10 stainless steel
Installation mounting	Welded C-profile rail	Welded C-profile rail
Enclosure attachment	2 external mounting feet with 8 mm holes	2 external mounting feet with 8 mm holes
Lid opening	Completely removable lid with 4 x M5 screws	Completely removable lid with 4 x M5 screws
Impact resistance	7J in accordance with IEC 60079-0	10J industrial version in accordance with DIN EN 50102
Gasket material	Silicone -60 °C...+100 °C *	Silicone -60 °C...+120 °C
Lid screws, torque	2.5 Nm	2.5 Nm
Note	* +120 °C only for industrial applications	

Approvals for empty enclosures

	Stainless steel	Sheet steel
ATEX certificate	IBExU07ATEX1147 U	
ATEX marking	Ⓜ II 2G Ex eb IIC Gb , Ⓜ II 1G Ex ia IIC Ga, Ⓜ II 2D Ex tb IIIC Db	
IECEx certificate	IECEx IBE 09.0018U	
IECEx marking	Ex eb IIC Gb, Ex ia IIC Ga, Ex tb IIIC Db	
AEx	E223792	
cULus	E197061 and E256877	
Lloyds Register	08/20032	08/20032
DNV GL	59 358 - 08 HH	
Russian Maritime Register	15.40041.250	15.40041.250
INMETRO	IEEx 13.0002U	
EAC	RUC-DE.BE02.B.00173	
Note	This enclosure range is component certified. If other electrical components are inserted into the case, additional certification is required.	

Approvals for control and distribution box

	Stainless steel		
ATEX certificate	IBExU07ATEX1148	INMETRO certificate	IEEx 13.0003
ATEX marking	Ⓜ II 2G Ex eb IIC T6/T5/T4 Gb Ⓜ II 2(1)G Ex eb ia [Ga] IIC T6/T5/T4 Gb Ⓜ II 1G Ex ia IIC T6/T5/T4 Ga Ⓜ II 2D Ex tb IIIC T80°C/T95°C/T100°C Db -60°C ≤ Ta ≤ +40/+55/+60 °C	INMETRO marking	Ex eb IIC T6/T5/T4 Gb Ex e [ia Ga] IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex tb IIIC T80°C/95°C/120°C Db IP66
IECEx certificate	IECEx IBE 09.0019	EAC certificate	RUC-DE.08.B.01328
IECEx marking	Ex eb IIC T6/T5/T4 Gb Ex eb ia [Ga] IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex tb IIIC T80°C/T95°C/T100°C Db -60°C ≤ Ta ≤ +40/+55/+60 °C	EAC marking	II 2 G Ex e IIC T6...T4 Gb, II 2(1) G Ex e [ia Ga] IIC T6...T4 Gb, II 1 G Ex ia IIC T6...T4 Ga, II 2 D Ex tb IIIC T80°C...T130°C Db
KOSHA certificate	16-AV4B0-247X	AEx certificate	E223792
KOSHA marking	Ex eb IIC T6/T5/T4 Gb Ex eb ia [Ga] IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex tb IIIC T80°C/T95°C/T100°C Db -60°C ≤ Ta ≤ +40/+55/+60 °C	AEx marking	Class I, Zone 1, AEx e IIC Gb T6..T4 Class I, Zone 2, AEx e IIC Gc T6..T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIC Db
Note	If you have specific requirements for equipment operating in explosive hazard areas, please contact us at Weidmüller to receive a full copy of the certification. For details of power dissipation, please contact your Weidmüller representative.		



Height / Width / Depth 120 / 120 / 80 mm

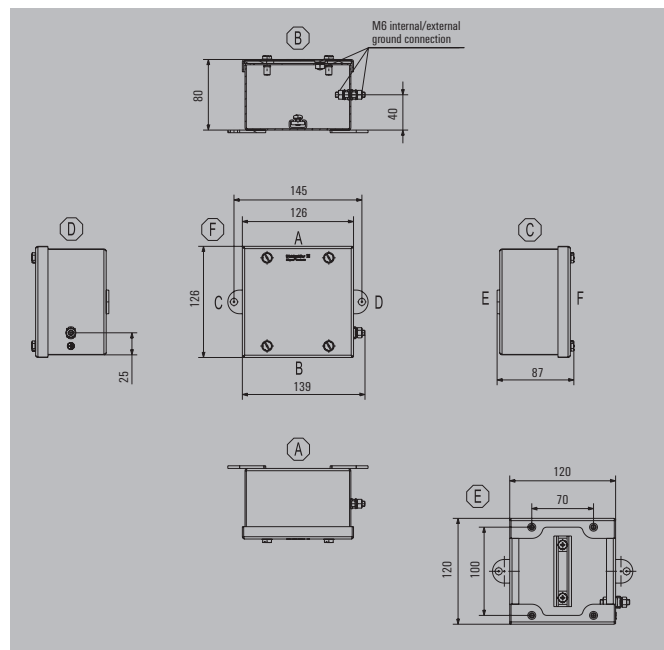
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002690000
	electro-polished	1058810000
Sheet steel, powder-coated (RAL 7032)		
	powder-coated	1024970000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

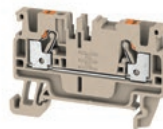
Mounting rails, TS35x7.5		Order No.
	Vertical	8683740000
Sliding fixing nut with screw		
	M5	0433500000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x17	
4 mm ²	1x14	
6 mm ²	1x11	
10 mm ²	1x8	
16 mm ²	1x7	



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	10	8
M16	6	4
M20	6	4
M25	3	2
M32	2	1
M40	2	1
M50		
M63		



Note

Klippon® STB 1.1

Depth **80 mm**


Height / Width / Depth 150 / 120 / 80 mm

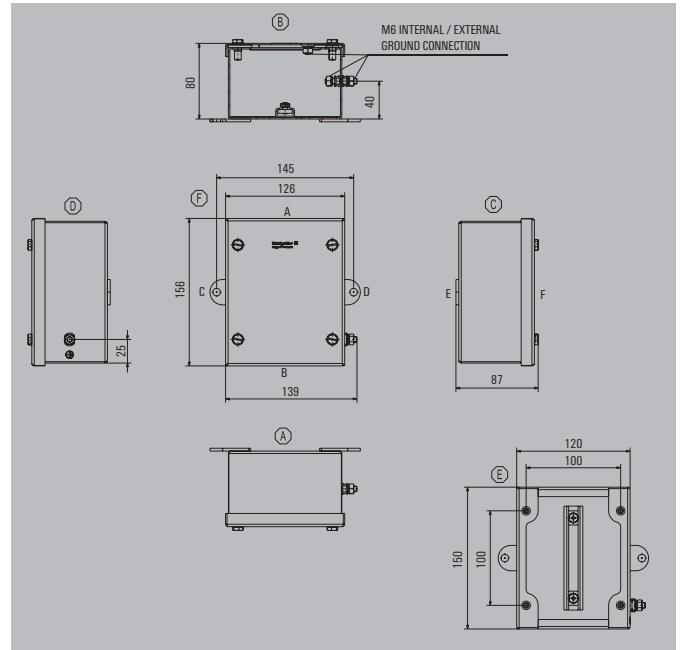
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002750000
	electro-polished	1058820000
Sheet steel, powder-coated (RAL 7032)		
	powder-coated	1024980000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

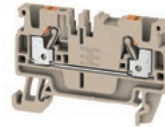
Mounting rails, TS35x7.5		Order No.
	Vertical	8683740000
Sliding fixing nut with screw		
	M5	0433500000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x23	
4 mm ²	1x19	
6 mm ²	1x14	
10 mm ²	1x11	
16 mm ²	1x9	



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	10	10
M16	6	6
M20	6	6
M25	3	2
M32	2	2
M40	2	1
M50		
M63		



Note

Klippon® STB – Sheet steel enclosure

Klippon® STB 2

Depth **90 mm**

Height / Width / Depth 150 / 150 / 90 mm

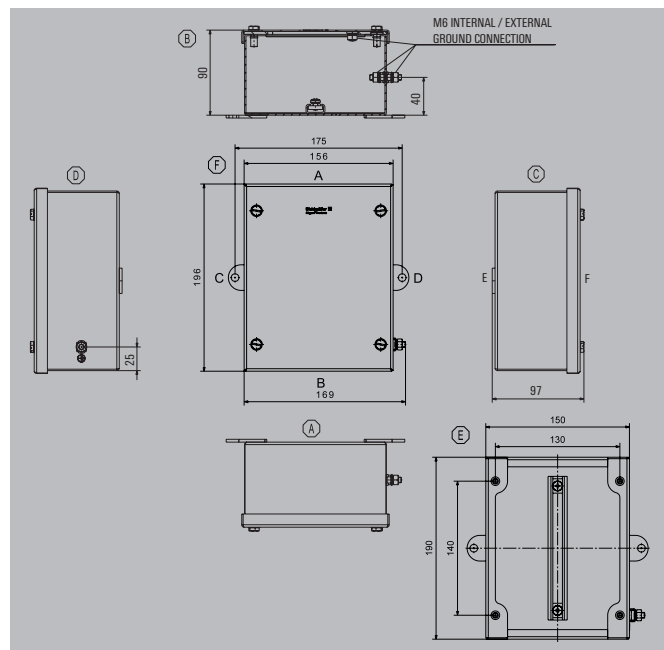
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002740000
	electro-polished	1058830000
Sheet steel, powder-coated (RAL 7032)		
	powder-coated	1024990000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

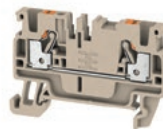
Mounting rails, TS35x7.5		Order No.
	Vertical	8683740000
Sliding fixing nut with screw		
	M5	0433500000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	1x23	
4 mm²	1x19	
6 mm²	1x14	
10 mm²	1x11	
16 mm²	1x9	



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	15	15
M16	10	8
M20	8	6
M25	3	2
M32	3	2
M40	2	2
M50	1	1
M63		



Note

Klippon® STB 2.1

Depth **90 mm**



Height / Width / Depth 190 / 150 / 90 mm

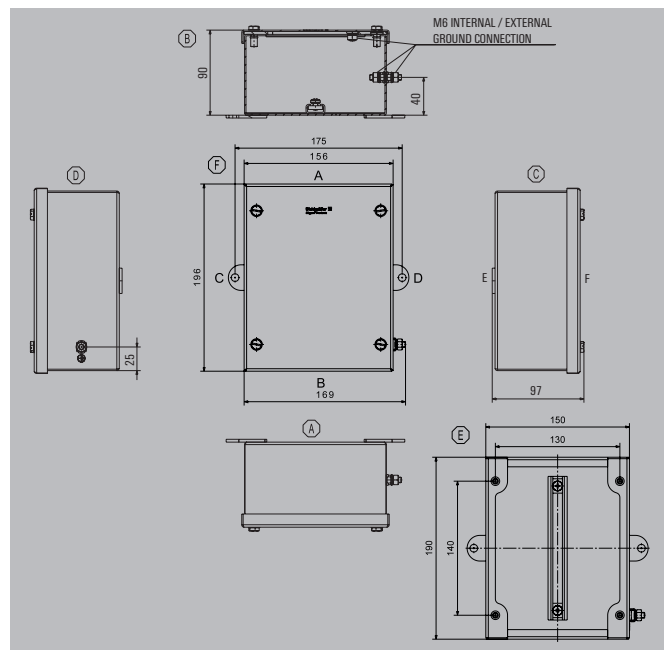
Ordering data

Stainless steel 1.4404 (316L)		Order No.
mirror-polished		1002730000
electro-polished		1058840000
Sheet steel, powder-coated (RAL 7032)		Order No.
powder-coated		1025010000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

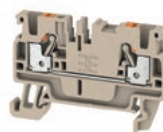
Mounting rails, TS35x7.5		Order No.
Vertical		1567660000
Sliding fixing nut with screw		Order No.
M5		0433500000
Pressure compensation elements		Order No.
Polyamide 6, M12		1868570000
Stainless steel 1.4305, M12		1868550000
Pressure compensating element with drainage function		Order No.
M20, stainless steel 1.4404 (316L)		2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	1x30	
4 mm²	1x25	
6 mm²	1x20	
10 mm²	1x15	
16 mm²	1x13	



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	15	18
M16	10	10
M20	8	10
M25	3	3
M32	3	3
M40	2	2
M50	1	1
M63		



Note



Height / Width / Depth 190 / 190 / 100 mm

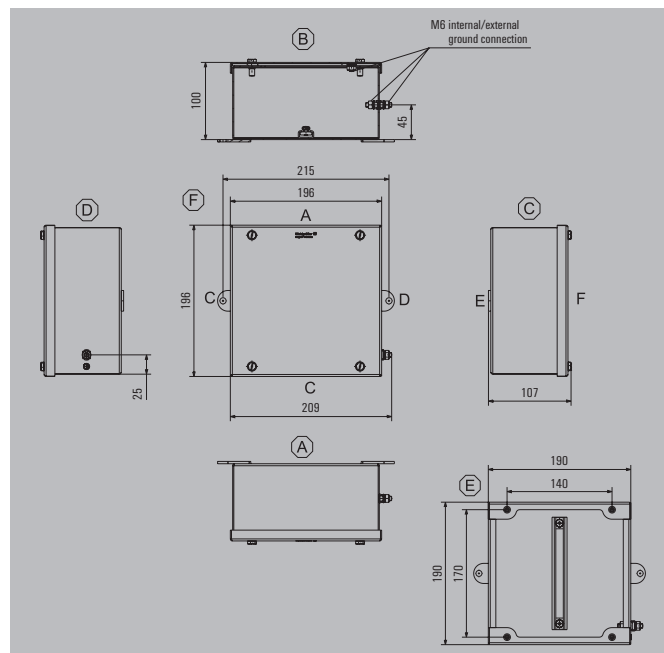
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002720000
	electro-polished	1058850000
Sheet steel, powder-coated (RAL 7032)		
	powder-coated	1025020000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

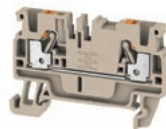
Mounting rails, TS35x7.5		Order No.
	Vertical	1567660000
Sliding fixing nut with screw		
	M5	0433500000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x30	
4 mm ²	1x25	
6 mm ²	1x20	
10 mm ²	1x15	
16 mm ²	1x13	



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

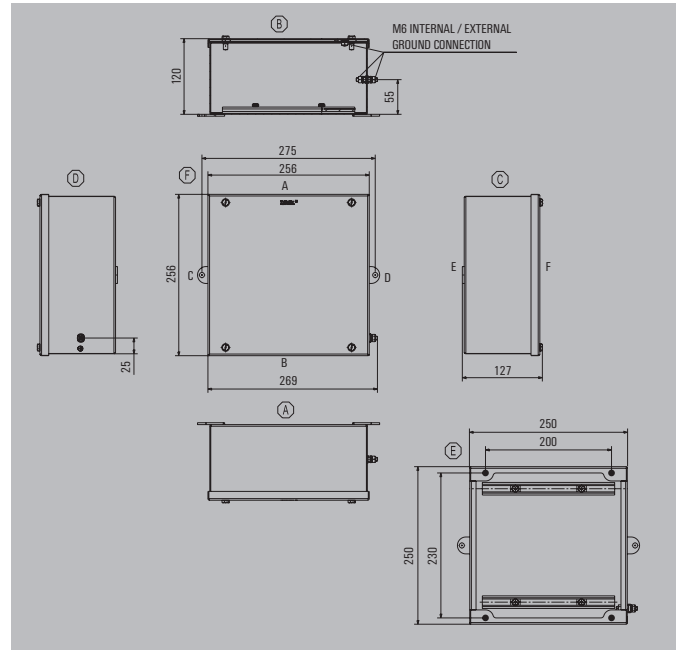
Cable entries	A / B	C / D
M12	21	21
M16	15	15
M20	10	8
M25	8	6
M32	3	3
M40	3	2
M50	2	1
M63	1	



Note

Klippon® STB 4

Depth 120 mm



Height / Width / Depth 250 / 250 / 120 mm

Ordering data

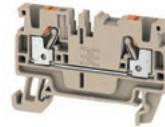
Stainless steel 1.4404 (316L)		Order No.
mirror-polished		1002710000
electro-polished		1058860000
Sheet steel, powder-coated (RAL 7032)		Order No.
powder-coated		1025030000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

Mounting rails, TS35x7.5		Order No.
Horizontally		8563410000
Vertical		8803610000
Sliding fixing nut with screw		Order No.
M5		0433500000
Pressure compensation elements		Order No.
Polyamide 6, M12		1868570000
Stainless steel 1.4305, M12		1868550000
Pressure compensating element with drainage function		Order No.
M20, stainless steel 1.4404 (316L)		2519550000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	2x42	2x42
4 mm ²	2x35	2x35
6 mm ²	2x27	2x27
10 mm ²	2x22	2x22
16 mm ²	2x18	2x18



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	24	24
M16	21	21
M20	12	12
M25	10	10
M32	8	8
M40	3	3
M50	3	2
M63	2	1



Note

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Height / Width / Depth 160 / 380 / 120 mm

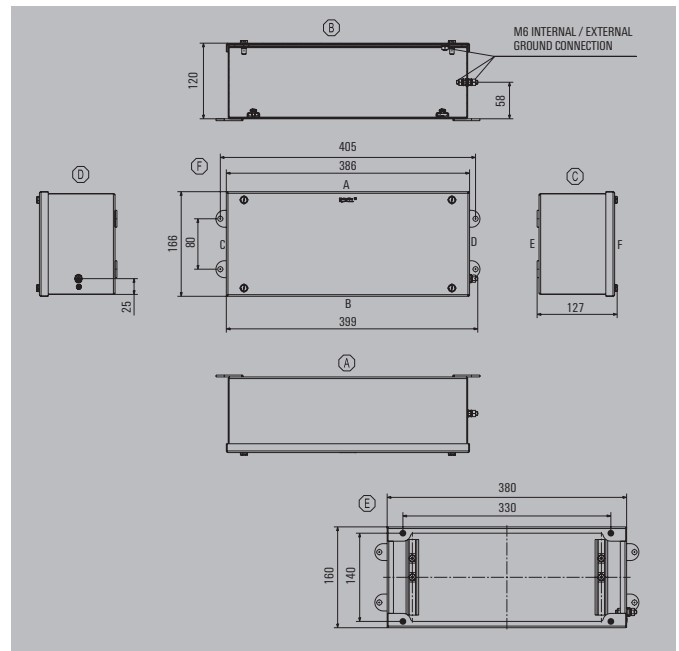
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002700000
	electro-polished	1058880000
Sheet steel, powder-coated (RAL 7032)		
	powder-coated	1025040000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

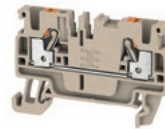
Mounting rails, TS35x7.5		Order No.
	Horizontally	8563410000
	Vertical	8803610000
Sliding fixing nut with screw		
	M5	0433500000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	3x25	1x68
4 mm²	3x21	1x57
6 mm²	3x16	1x44
10 mm²	3x12	1x35
16 mm²	3x10	1x29



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	64	20
M16	33	12
M20	30	12
M25	16	6
M32	10	4
M40	6	2
M50	4	1
M63	2	1



Note

Klippon® STB 6

Depth 130 mm



Height / Width / Depth 250 / 400 / 130 mm

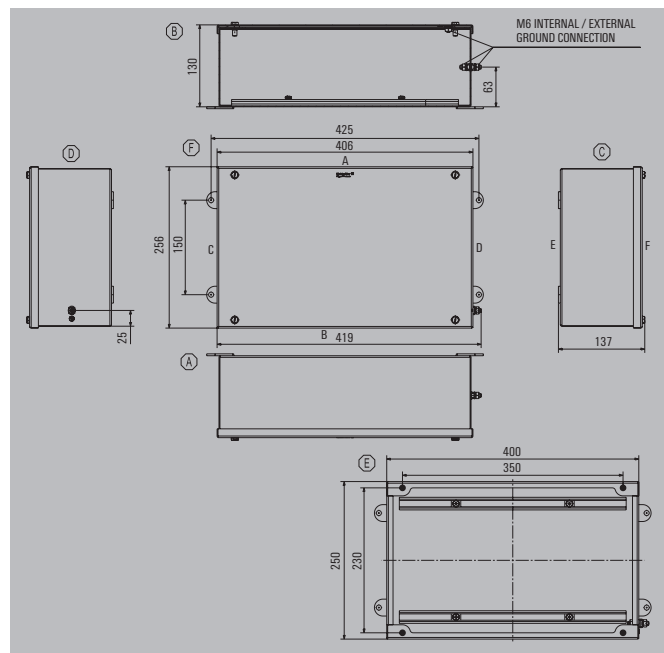
Ordering data

Stainless steel 1.4404 (316L)		Order No.
	mirror-polished	1002760000
	electro-polished	1058870000
Sheet steel, powder-coated (RAL 7032)		Order No.
	powder-coated	1025050000
Note The colours of painted enclosures may vary under certain circumstances.		

Accessories

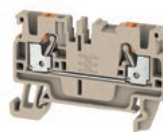
Mounting rails, TS35x7.5		Order No.
	Vertical	8803610000
	Horizontally	8563410000
Sliding fixing nut with screw		Order No.
	M5	0433500000
Pressure compensation elements		Order No.
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
Pressure compensating element with drainage function		Order No.
	M20, stainless steel 1.4404 (316L)	2519550000

Note The enclosure is supplied with a set of sliding fixing nuts, washer, screws M5, to fix the mounting rail TS 35 or TS 32 into the C-Profile.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	3x42	2x72
4 mm²	3x35	2x60
6 mm²	3x27	2x46
10 mm²	3x22	2x37
16 mm²	3x18	2x30



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Recommended order:
TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC
TS 32 Mounting rail with clamping yoke technology SAK
TS 15 Mounting rail with clamping yoke technology AKZ
Order information for terminal blocks, please refer to online catalogue

Guide value for max. number of cable entries

Cable entries	A / B	C / D
M12	64	36
M16	33	21
M20	30	18
M25	16	10
M32	10	8
M40	6	3
M50	4	2
M63	2	2



Note

Klippon® Protect – Terminal Boxes – Product overview Steel enclosures

Various types of terminal boxes are available for installing signal / power supplies or distributors in explosive risk zones.

The terminal boxes are explosion-protected equipment approved for use in Ex areas in zones 0, 1, 2 and 20, 21, 22.

They are certified in accordance with the latest international standards Ex e, Ex ia and Ex tb. Customer-specific configuration means these terminal boxes are the optimum solution for all applications. Use the product overview to find the right solution for you!

Combine the enclosure, with or without threaded holes, a suitable mounting rail or pre-fitted strip terminals.

We have put together a small selection for you,
but we are happy to configure a bespoke solution for you.

Features:

- Available in a wide range of versions to meet customer requirements
- Additional international approvals alongside IECEx, ATEX and EAC also available
- Increased quality thanks to the use of established basic products in the Klippon® brand



Overview of enclosures

Terminal boxes based on the Klippon® STB range of enclosures

Description	Height x width x depth in mm	Marking	Approval	Order No.
STB 1 Exia	120 x 120 x 80	Ex ia IIC T4 Ga	IECEx, ATEX, EAC	8000028394
STB 2 Exe	150 x 150 x 90	Ex eb IIC T6 Gb	IECEx, ATEX, EAC	8000028395
STB 3 Exe	190 x 190 x 100	Ex eb IIC T6 Gb	IECEx, ATEX, EAC	8000028396
STB 4 Exe	250 x 250 x 120	Ex eb IIC T6 Gb	IECEx, ATEX, EAC	8000028397
Note				

Technical Overview

Technical data

Enclosures	
Material	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	Mirror-polished (Klippon® STB)
IP protection class	IP66 to DIN EN 60529
Gasket material	Silicone
Terminal block	
Material	Wemid
Colour	beige, blue or green/yellow
Connection system	screw connection
Clampable wires (H05V/H07V)	solid, flexible and flexible with ferrule
Note	

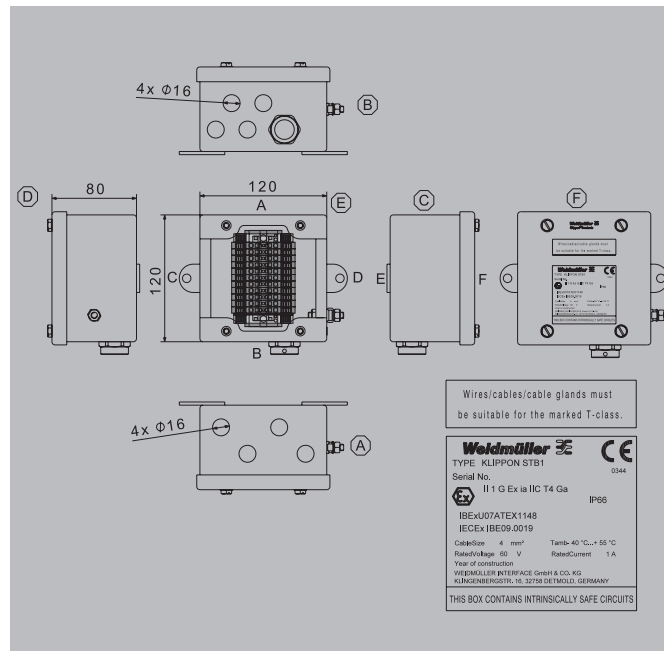
Approvals for Klippon® STB

ATEX certificate	IBExU07ATEX1148
IECEX certificate	IECEX IBE 09.0019
EAC certificate	RUC-DE.08.B.01328
Note	
Labelling depends on the application layout. For details of power dissipation, please contact your Weidmüller representative.	

Klippon® Protect – Terminal Boxes Steel – Klippon® STB

Klippon® STB 1 Ex ia terminal box

Depth 80 mm



Height / Width / Depth 120 / 120 / 80 mm

Ordering data

	Order No.
STB 1 EXIA	8000028394
Note	

Technical data

Article - short description	Klippon® Klippon STB (Small Terminal Box)- Enclosures, Terminal Box
Identification	Ex ia IIC T4 Ga
Certificate no. assembled enclosure (ATEX)	IBEXU 07ATEX1148
Certificate no. assembled enclosure (IECEX)	IECEX IBE09.0019
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31
Ambient temperature	Tamb -40°C...+55°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x11
Rated cross-section	4 mm²
Rated voltage	60 V
Rated current	1.00 A
Drill holes side A	4 x M16
Drill holes side B	4 x M16, 1 x BDX
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	Mirror polished
Material thickness	1.5 mm
Seal material	Silicone
Enclosure attachment	Welded-on mounting foot with 8-mm holes
Mounting dimension - height / -width	60 mm / 145 mm
Lid attachment	M5 hex-head slotted screws SW10
Access opening: width / Access opening: height	100 mm / 99.4 mm
Earth, enclosure, external	Welded-on M6 x 16 stainless-steel bolts
Earth, enclosure, internal	Welded-on M6 x 16 stainless-steel bolts

Note

Accessories

Pressure compensating element with drainage function	Order No.
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M16, 3-12 mm	1460040000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M16	1477820000
Locknuts	
Nickel-plated brass, M16	1736990000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000

Note

Reference products

	Order No.
KLIPPON STB 1 SS	1002690000
WDU 4 BL	1020180000
KLIPPON BDX M20 S	2519550000

Note

Depth	90 mm
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C

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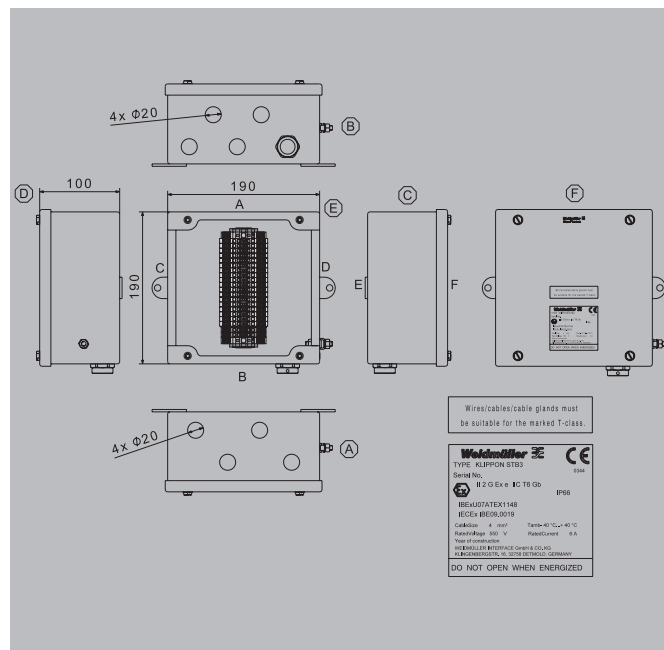
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Note

Depth 100 mm



Ordering data	
	Order No.
STB 3 Exe	8000028396
Note	

Note

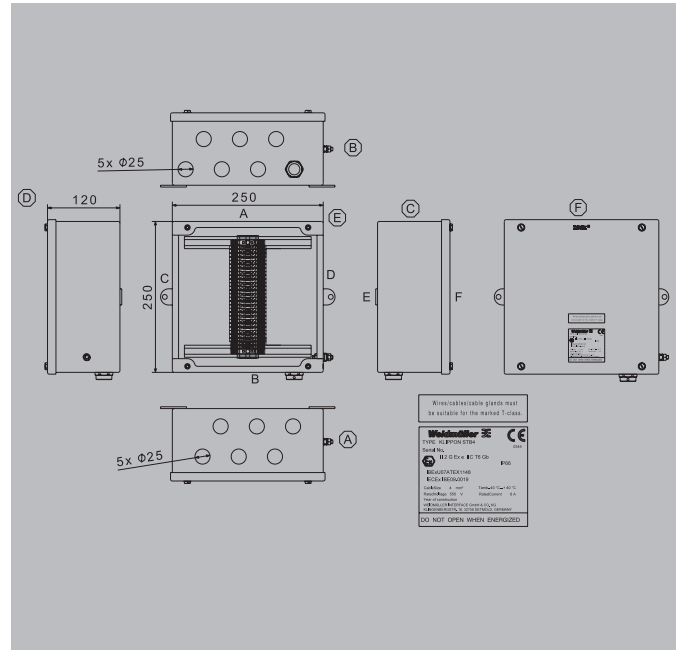
Pressure compensating element with drainage function	Order No.
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M20, 3-12 mm	1460050000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M20	1477840000
Locknuts	
Plastic, M20	1736930000
Nickel-plated brass, M20	1737000000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

	Order No.
KLIPPON STB 3 SS	1002720000
WDU 4	1020100000
WPE 4	1010100000
KLIPPON BDX M20 S	2519550000

Note

Klippon® STB 4 Ex e terminal box

Depth 120 mm



250 / 250 / 120 mm

Ordering data

	Order No.
STB 4 Exe	8000028397
Note	

Technical data

Article - short description	Klippon® Klippon STB (Small Terminal Box)- Enclosures, Terminal Box
Identification	Ex eb IIC T6 Gb
Certificate no. assembled enclosure (ATEX)	IBExU 07ATEX1148
Certificate no. assembled enclosure (IECEx)	IECEx IBE09.0019
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31, EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31
Ambient temperature	Tamb -40°C...+40°C
Type label material	Polyester coated with aluminium
Protection class	IP66
Assembly	
Modular terminal blocks	1x26, 2 x PE
Rated cross-section	4 mm²
Rated voltage	550 V
Rated current	6.00 A
Drill holes side A	6 x M25
Drill holes side B	6 x M25, 1 x BDX
Technical data, enclosure	
Material	Stainless steel 1.4404 (316L)
Surface finish	Mirror polished
Material thickness	1.5 mm
Seal material	Silicone
Enclosure attachment	Welded-on mounting foot with 8-mm holes
Mounting dimension - height / -width	125 mm / 275 mm
Lid attachment	M5 hex-head slotted screws SW10
Access opening: width / Access opening: height	230 mm / 230 mm
Earth, enclosure, external	Welded-on M6 x 16 stainless-steel bolts
Earth, enclosure, internal	Welded-on M6 x 16 stainless-steel bolts

Note

Accessories

Pressure compensating element with drainage function	Order No.
M20, brass	2519520000
Cable glands	
Nickel-plated brass, Ex e, M25, 10-18 mm	1460070000
Blanking plugs	
Stainless steel 1.4404 (316L), Ex e, M25	1477870000
Locknuts	
Plastic, M25	1736940000
Nickel-plated brass, M25	1737010000
Grounding strap	
green-yellow, 6 mm² for M6 bolt	2475490000
Note	

Reference products

	Order No.
KLIPPON STB 4 SS	1002710000
WDU 4	1020100000
WPE 4	1010100000
KLIPPON BDX M20 S	2519550000

Note

Safely control work processes in hazardous areas on site

With certified enclosure solutions with control and display elements

C

Harsh industrial environments and hazardous areas, such as in the oil and gas industry, place extreme demands on the safety, the robustness and quality of products and devices.

We meet these challenges with the Klippon® Control Station, the addition to our range of customised enclosure solutions. More than 50 years of expertise have made us market leader in this area with global competence centres. The basis of our enclosure solutions is provided by the usual Weidmüller quality and comprehensive approvals for explosion hazard areas. Based on this, our sturdy “on-site control station” is available in two standard sizes and with up to four control and display elements and provides a flexible solution to meet your specific needs.

Order your distributor enclosure as well as control and signaling units from a single source and from one enclosure design – for reliable security and reduced storage costs for maintenance and repair operations.

Your special advantages:

Ideal for urgent service calls

We have prepared modules of the proven Klippon® enclosure series STB available for you for further processing. This means we manufacture a control solution suitable for your application at short notice.



Predestined for emergency shutdown applications: Klippon® Control Stations score when it comes to the safe shutdown of plant sections, such as in the process industry

Project solutions from a single source

Obtain command/signaling units and distribution and control boxes as a complete solution – tailored to the individual requirements of your projects in hazardous areas.



Customised assembly

In addition to standard types from stock, you can obtain enclosure solutions from us that are completely assembled and equipped according to customer requirements.



A variety of sizes and materials

Enclosures in stainless steel, aluminium or polyester are available for different environmental conditions. Depending on the size of the enclosure, it provides space for the integration of up to four control and display elements.

International certificates

The Klippon® Control Station is tested and certified among others according to ATEX and IECEx.



Durability for maximum requirements

Klippon® Protect sets the highest standards with stainless steel enclosures

The enclosure ranges Klippon® TB and Klippon® STB are offered in stainless steel and boost market leading performance characteristics, which even allow them to meet the demanding requirements for use with the harshest environments. The enclosures are certified and comply with the latest international standards – including ATEX and IECEx.

Additional features:

- Standard silicone seals for use in extreme temperature environments
- High Ingress Performance - IP66
- Welded-on mounting feet for wall mounting



Technical data

Material	Stainless steel
Surface finish	Mirror-polished
Colour	Natural
IP protection class	IP 54; IP 66
Ambient temperature	-55 °C to 55 °C
Seal material of enclosure	Silicone
Seal material of command and signalling units	EPDM
Flammability rating	-
Impact resistance IK	7 joules in acc. with IEC60079-0 4 joules in acc. with IEC60079-0 with integrated illuminated pushbutton or light module
Cable gland material	Nickel-plated brass
Cable gland clamping area min. – max. in mm	
M20	3–12 mm
M25	10–18 mm
Max. rated cross-section	2.5 mm ²
Max. operating voltage with integrated illuminated pushbutton or light module	400 V 250 V
Maximum operating current at 40 °C ambient temperature	
1.5 mm ² – T6	10 A
1.5 mm ² – T5	16 A
2.5 mm ² – T6	16 A
Maximum operating current at 55 °C ambient temperature	
1.5 mm ² – T4	16 A
1.5 mm ² – T5	10 A
2.5 mm ² – T5	16 A
Temperature class	T4, T5, T6
Type of mounting	Wall mounting
Earthing inside	M6x10 earthing studs integrated in the cover, stainless steel
Lid attachment	Hexagonal slothead screws SW10
Lid screw torque	2.5 Nm
Earthing torque	7.5 Nm
Earthing outside	M6 earthing studs, stainless steel
Approvals	IECEx IAT14.0013X TUEV14ATEX7606X MARITREG 15.40082.250
Marking	2G Ex e d IIC T* Gb 2G Ex ib d [ia] IIC T* Gb 2D Ex tb IIC T80/100 °C Db
Mounting feet	2 welded-on mounting feet with 8 mm holes



Number of built-in components				Emergency stop pushbutton	Key switch	Pushbutton		Illuminated push button		Light module		Dimensions with built-in components HxWxD in mm	Designation	Cable gland	Order number	
				red	I – 0 – II	red	green	red	green	red	green					
Stainless steel	•			1								150x120x119	KLIPPON CS STB 1-1	VG M20	1537200000	
	•						1					150x120x95	KLIPPON CS STB 1-1	VG M20	1537210000	
	•				1							150x120x109	KLIPPON CS STB 1-1	VG M20	1537220000	
	•								1			150x120x96	KLIPPON CS STB 1-1	VG M20	1537230000	
	•			1								153x120x119	KLIPPON CS STB 1-2	VG M25	1537240000	
	•						1					153x120x95	KLIPPON CS STB 1-2	VG M25	1537250000	
	•				1							153x120x109	KLIPPON CS STB 1-2	VG M25	1537280000	
	•								1			153x120x96	KLIPPON CS STB 1-2	VG M25	1537290000	
	•					1	1					223x150x95	KLIPPON CS STB 2.1-2	VG M25	1537300000	
	•						1				1	223x150x103	KLIPPON CS STB 2.1-2	VG M25	1537310000	
	•			1						1		223x150x119	KLIPPON CS STB 2.1-2	VG M25	1537320000	
		•				1	2					223x150x95	KLIPPON CS STB 2.1-6	VG M25	1537330000	
		•				1	1		1			223x150x103	KLIPPON CS STB 2.1-7	VG M25	1537340000	
		•		1		1	1					220x150x119	KLIPPON CS STB 2.1-7	VG M20	1537370000	

Klippon® CS STB 1-1



Klippon® CS STB 1-1



Technical data

Enclosure		
Dimensions with installation (HxBxD)	150 / 120 / 119 mm	150 / 120 / 95 mm
Material	Stainless steel 1.4404 (316L)	Stainless steel 1.4404 (316L)
General characteristics		
Surface finish / Colour	Mirror polished / Natural	Mirror polished / Natural
Protection class	IP54, IP66	IP54, IP66
Ambient temperature	-55 °C...+55 °C	-55 °C...+55 °C
Impact resistance	7 joules in acc. with IEC 60079-0	7 joules in acc. with IEC 60079-0
Enclosure seal material	Silicone (VMQ)	Silicone (VMQ)
Seal material of operating and display elements	EPDM	EPDM
Type of mounting	Wall mounting	Wall mounting
Internal earth	M6 x 10 earthing studs integrated in the lid, stainless steel	M6 x 10 earthing studs integrated in the lid, stainless steel
External earth	M6 earthing studs, stainless steel	M6 earthing studs, stainless steel
Lid attachment	M5 hexagonal screw with slot and 10mm distance across flats	M5 hexagonal screw with slot and 10mm distance across flats
Torque for lid screws	2.5 Nm	2.5 Nm
Earth stud torque	7.5 Nm	7.5 Nm
Electrical properties*		
Wire connection cross section, finely stranded, max.	2.5 mm²	2.5 mm²
Operating voltage, max.	400 V	400 V
Temperature class	T4, T5, T6	T4, T5, T6
Enclosure assembly		
1 Position in enclosure	EMERGENCY-STOP pushbutton with yellow, contrasting label	Pushbutton - green
2 Position in enclosure		
3 Position in enclosure		
4 Position in enclosure		
Contact design	2 NC contact, positive opening contacts	1 NC contact, 1 NO contacts
Actuators	EMERGENCY STOP pushbutton	Pushbutton
Actuator colour	red	green
Illumination module colour		
Illuminated button actuator colour		
Cable entries		
Drill holes side B	1 x M20	1 x M20
Cable gland	1460050000 - VG M20 EXE MS	1460050000 - VG M20 EXE MS
Clamping range min. / max.	3 mm / 12 mm	3 mm / 12 mm
Approval and Marking		
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838	RUC-DE.BE02.B.00173
Certificate No. (MARITREG)	15.40082.250	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db

Note

Ordering data

Type	Qty.	Order No.	Type	Qty.	Order No.
KLIPPON CS STB 1-1	1	1537200000	KLIPPON CS STB 1-1	1	1537210000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 1-1



150 / 120 / 109 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Key-operated switch

1 NC contact, 1 NO contacts
Key-operated switch, 3 switching positions, I - O - II, (I + II), latching,
Key retractable

1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db

Type	Qty.	Order No.
KLIPPON CS STB 1-1	1	1537220000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 1-1



150 / 120 / 96 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Illuminated pushbutton - green

2 NO contacts
Pushbutton

green

green

1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db

Type	Qty.	Order No.
KLIPPON CS STB 1-1	1	1537230000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 1-2



153 / 120 / 119 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
400 V
T4, T5, T6
EMERGENCY-STOP pushbutton with yellow, contrasting label

2 NC contact, positive opening contacts
EMERGENCY STOP pushbutton

red

1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db

Type	Qty.	Order No.
KLIPPON CS STB 1-2	1	1537240000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 1-2



Klippon® CS STB 1-2



Technical data

Enclosure		
Dimensions with installation (HxBxD)	153 / 120 / 95 mm	153 / 120 / 109 mm
Material	Stainless steel 1.4404 (316L)	Stainless steel 1.4404 (316L)
General characteristics		
Surface finish / Colour	Mirror polished / Natural	Mirror polished / Natural
Protection class	IP54, IP66	IP54, IP66
Ambient temperature	-55 °C...+55 °C	-55 °C...+55 °C
Impact resistance	7 joules in acc. with IEC 60079-0	7 joules in acc. with IEC 60079-0
Enclosure seal material	Silicone (VMQ)	Silicone (VMQ)
Seal material of operating and display elements	EPDM	EPDM
Type of mounting	Wall mounting	Wall mounting
Internal earth	M6 x 10 earthing studs integrated in the lid, stainless steel	M6 x 10 earthing studs integrated in the lid, stainless steel
External earth	M6 earthing studs, stainless steel	M6 earthing studs, stainless steel
Lid attachment	M5 hexagonal screw with slot and 10mm distance across flats	M5 hexagonal screw with slot and 10mm distance across flats
Torque for lid screws	2.5 Nm	2.5 Nm
Earth stud torque	7.5 Nm	7.5 Nm
Electrical properties*		
Wire connection cross section, finely stranded, max.	2.5 mm²	2.5 mm²
Operating voltage, max.	400 V	400 V
Temperature class	T4, T5, T6	T4, T5, T6
Enclosure assembly		
1 Position in enclosure	Pushbutton - green	Key-operated switch
2 Position in enclosure		
3 Position in enclosure		
4 Position in enclosure		
Contact design	1 NC contact, 1 NO contacts	1 NC contact, 1 NO contacts
Actuators	Pushbutton	Key-operated switch, 3 switching positions, I - 0 - II, (I + II), latching, Key retractable
Actuator colour	green	
Illumination module colour		
Illuminated button actuator colour		
Cable entries		
Drill holes side B	1 x M25	1 x M25
Cable gland	1460070000 - VG M25 EXE MS	1460070000 - VG M25 EXE MS
Clamping range min. / max.	10 mm / 18 mm	10 mm / 18 mm
Approval and Marking		
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE-BE02.B.00173	RUC-DE-TB08.B.01838
Certificate No. (MARITREG)	15.40082.250	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db

Note

Ordering data

Type	Qty.	Order No.	Type	Qty.	Order No.
KLIPPON CS STB 1-2	1	1537250000	KLIPPON CS STB 1-2	1	1537280000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 1-2



153 / 120 / 96 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Illuminated pushbutton - green
2 NO contacts
Pushbutton
green
green
1 x M25
1460070000 - VG M25 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

Type	Qty.	Order No.
KLIPPON CS STB 1-2	1	1537290000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 2.1-2



223 / 150 / 95 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - red
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
green
1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

Type	Qty.	Order No.
KLIPPON CS STB 2.1-2	1	1537300000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 2.1-2



223 / 150 / 103 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Light module - green
Pushbutton - green
1 NC contact, 1 NO contacts
Pushbutton
green
green
1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

Type	Qty.	Order No.
KLIPPON CS STB 2.1-2	1	1537310000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 2.1-2



Klippon® CS STB 2.1-6



Technical data

Enclosure		
Dimensions with installation (HxBxD)	223 / 150 / 119 mm	223 / 150 / 95 mm
Material	Stainless steel 1.4404 (316L)	Stainless steel 1.4404 (316L)
General characteristics		
Surface finish / Colour	Mirror polished / Natural	Mirror polished / Natural
Protection class	IP54, IP66	IP54, IP66
Ambient temperature	-55 °C...+55 °C	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC 60079-0	7 joules in acc. with IEC 60079-0
Enclosure seal material	Silicone (VMQ)	Silicone (VMQ)
Seal material of operating and display elements	EPDM	EPDM
Type of mounting	Wall mounting	Wall mounting
Internal earth	M6 x 10 earthing studs integrated in the lid, stainless steel	M6 x 10 earthing studs integrated in the lid, stainless steel
External earth	M6 earthing studs, stainless steel	M6 earthing studs, stainless steel
Lid attachment	M5 hexagonal screw with slot and 10mm distance across flats	M5 hexagonal screw with slot and 10mm distance across flats
Torque for lid screws	2.5 Nm	2.5 Nm
Earth stud torque	7.5 Nm	7.5 Nm
Electrical properties*		
Wire connection cross section, finely stranded, max.	2.5 mm²	2.5 mm²
Operating voltage, max.	250 V	400 V
Temperature class	T4, T5, T6	T4, T5, T6
Enclosure assembly		
1 Position in enclosure	Light module - red	Pushbutton - green
2 Position in enclosure	EMERGENCY-STOP pushbutton with yellow, contrasting label	Pushbutton - red
3 Position in enclosure		Pushbutton - green
4 Position in enclosure		
Contact design	2 NC contact, positive opening contacts	3 NC contact, 3 NO contacts
Actuators	EMERGENCY STOP pushbutton	Pushbutton
Actuator colour	red	green, red
Illumination module colour		
Illuminated button actuator colour		
Cable entries		
Drill holes side B	1 x M25	1 x M25
Cable gland	1460070000 - VG M25 EXE MS	1460070000 - VG M25 EXE MS
Clamping range min. / max.	10 mm / 18 mm	10 mm / 18 mm
Approval and Marking		
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.08.B.00472	RUC-DE.BE02.B.00173
Certificate No. (MARITREG)	15.40082.250	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db

Note

Ordering data

Type	Qty.	Order No.	Type	Qty.	Order No.
KLIPPON CS STB 2.1-2	1	1537320000	KLIPPON CS STB 2.1-6	1	1537330000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 2.1-7



223 / 150 / 103 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Pushbutton - red
Light module - green
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
green
1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIC T*°C Db

Type	Qty.	Order No.
KLIPPON CS STB 2.1-7	1	1537340000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS STB 2.1-7



220 / 150 / 119 mm
Stainless steel 1.4404 (316L)
Mirror polished / Natural
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
M6 x 10 earthing studs integrated in the lid, stainless steel
M6 earthing studs, stainless steel
M5 hexagonal screw with slot and 10mm distance across flats
2.5 Nm
7.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
Pushbutton - red
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NO contacts, 2 NC contact, positive opening contacts
Pushbutton, EMERGENCY STOP pushbutton
green, red
2 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIC T*°C Db

Type	Qty.	Order No.
KLIPPON CS STB 2.1-7	1	1537370000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® K – aluminium enclosure

Robust enclosure for industrial applications

The aluminium Klippon® K enclosures are suitable for use in an extremely wide range of different areas. Various components can be installed inside the enclosures, and will benefit in particular from the high temperature resistance, the excellent IP protection and the good impact resistance.



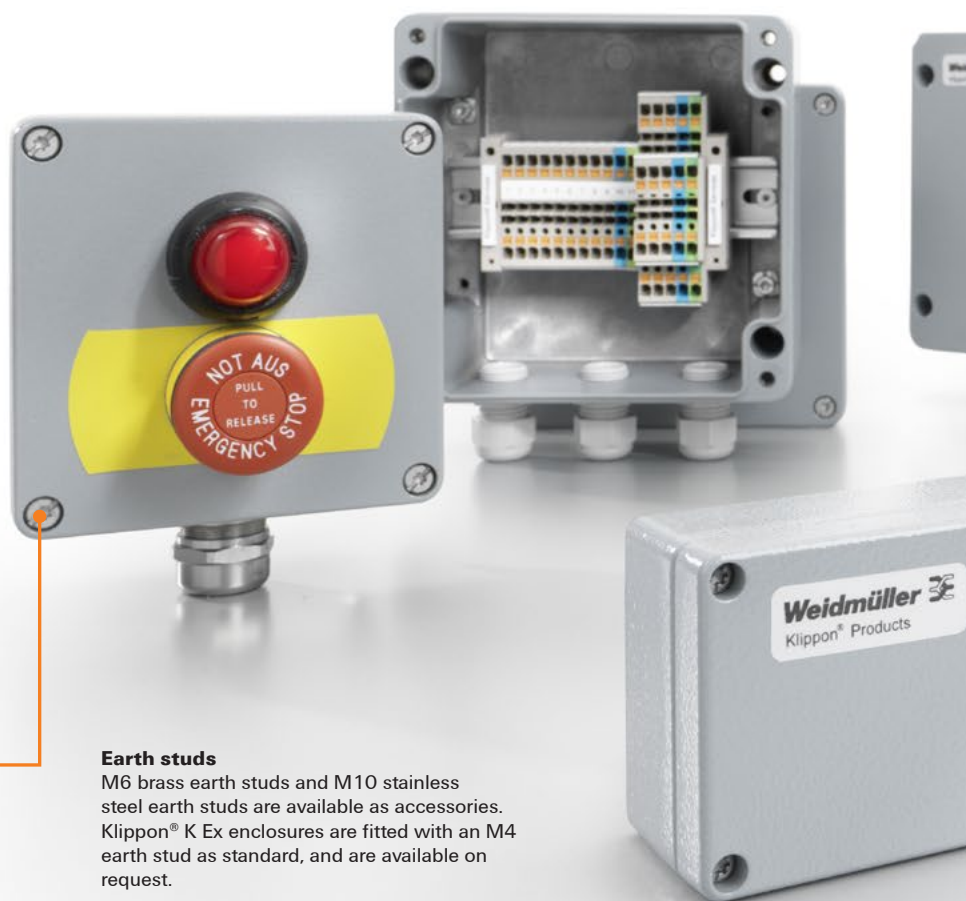
Standardised closure system

The cover is attached using captive Torx slotted screws. The highly functional screw connection with coated stainless steel screws allows for use even in corrosive atmospheres. Working with the enclosures requires just one single tool, as only Torx slotted screws are used.



Earth studs

M6 brass earth studs and M10 stainless steel earth studs are available as accessories. Klippon® K Ex enclosures are fitted with an M4 earth stud as standard, and are available on request.



High IP protection

There are no glued areas on the moulded seal of the enclosure, which helps ensure optimal leak-tightness. The seal guarantees an IP protection of IP66 to IP68 (depending on the use).



Mounting options

The matching terminal rails or mounting plates are available as accessories and can be used to install a wide range of different components inside the enclosure.



Versatile attachment options

The enclosure can be attached directly using the designated attachment holes. Alternatively, it can be attached from the outside using the assembly feet that are available as accessories.



Ex applications

Klippon® K enclosures with explosion protection for use in explosive risk zones are optionally available.



Customer-specific assembly

Enjoy more flexibility in your project business with Klippon® Services. We combine reliable planning, professional engineering and production in the perfect quality to create your customised product.



Klippon® K – Aluminium enclosures

Klippon® K-Series aluminium enclosures can be used in a variety of applications, e.g. for the assembly of modular terminal blocks, switches, power supplies, operational and display elements or electronic modules.

The extensive Klippon® K enclosure range has the following advantages:

- More flexibility – 19 different sizes
- Available in two surface finishes – powder-coated and natural
- Mounting holes not within the sealed area
- Fastening thread to attach mounting rails and plates
- Closed moulded gasket (no glue seam)

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.



Overview of enclosures

Ordering data

Description	Height x width x depth in mm	Powder-coated (RAL 7001)*			Unpainted		
		Standard		Ex enclosure**	Standard		Ex enclosure**
		CR moulded seal	Silicone moulded seal**	Silicone moulded seal	CR moulded seal	Silicone moulded seal**	Silicone moulded seal
Klippon® K 0	45 x 50 x 30	9529090000	1937920000		0573200000	1939760000	
Klippon® K 01	64 x 58 x 34	9529100000	1937850000		1565240000	1939540000	
Klippon® K 02	64 x 98 x 34	9529110000	1937840000		1565250000	1939550000	
Klippon® K 1	70 x 70 x 45	9529120000	1937630000	1329630000	0342000000	1939560000	9526840000
Klippon® K 11	80 x 75 x 57	9529130000	1937910000	1329640000	0573300000	1939570000	9526850000
Klippon® K 2	70 x 100 x 45	9529140000	1937930000	1329650000	0342100000	1939580000	9526860000
Klippon® K 21	80 x 125 x 57	9529150000	1937830000	1328120000	0573400000	1939590000	9526870000
Klippon® K 3	70 x 165 x 45	9529160000	1937900000	1329670000	0342200000	1939600000	9526880000
Klippon® K 31	80 x 175 x 57	9529170000	1937820000	1329680000	0573500000	1939610000	9526890000
Klippon® K 32	80 x 250 x 55	9529180000	1937810000	1329690000	1565260000	1939620000	9526900000
Klippon® K 4	82 x 130 x 72	9529190000	1937890000	1329700000	0342300000	1939630000	9526910000
Klippon® K 41	120 x 122 x 81	9529200000	1937800000	1329710000	1565270000	1939640000	9526920000
Klippon® K 5	130 x 170 x 90	9529210000	1937860000	1329720000	0342400000	1939650000	9526930000
Klippon® K 51	120 x 220 x 81	9529220000	1937750000	1328130000	1565280000	1939660000	9526940000
Klippon® K 52	160 x 160 x 91	9529230000	1937740000	1329730000	1565290000	1939670000	9526950000
Klippon® K 6	160 x 200 x 100	9529240000	1937870000	1329740000	0342500000	1939690000	9526960000
Klippon® K 61	160 x 260 x 91	9529250000	1937730000	1328140000	0573600000	1939700000	9526970000
Klippon® K 7	160 x 350 x 100	9529260000	1937880000	1329750000	0342600000	1939710000	9526980000
Klippon® K 71	230 x 280 x 111	9529270000	1937720000	1329770000	0573700000	1939730000	9526990000

Note

*Colour variations may occur under certain circumstances, **Delivery time on request, Ex enclosures available on request

Technical Overview

Features

• Two surfaces: natural and powder-coated	
• High IP protection up to IP68	
• Moulded silicone gasket for applications with high temperatures	
• A uniform Torx®-slotted screw head is used for over 19 different enclosure sizes.	
• Alloy is resistant to salt water	
• Approved according to the latest international standards	
Note	We deliver enclosures through our assembly service which are ready to be connected and suitable for every application

Technical data

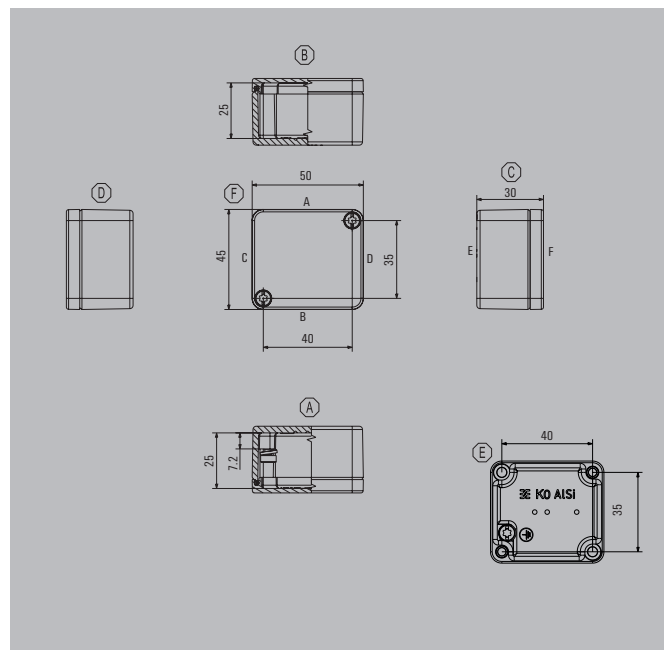
	Ex	Standard
Enclosure material	High quality aluminium alloy (Al-Si12)	High quality aluminium alloy (Al-Si12)
Surface, untreated	Smooth	Smooth
Surface, painted	Silver grey, textured, similar to RAL 7001	Silver grey, textured, similar to RAL 7001
Painting	50-90 µm paint thickness	50-90 µm paint thickness
IP protection class	IP66, IP67 to DIN EN 60529	IP66, IP67 and IP68* to DIN EN 60529
NEMA		4, 4x
Earthing outside	Earthing studs, M4	
Installation mounting	Flexible DIN rail mounting	Flexible DIN rail mounting
Enclosure mounting	Direct mounting with optional mounting brackets (from a size of 120 x 122 x 81 Klippon® K 41)	Direct mounting with optional mounting brackets (from a size of 120 x 122 x 81 Klippon® K 41)
Lid fixing	Captive stainless steel Torx® 20 or slotted screws.	Captive stainless steel Torx® 20 or slotted screws.
Impact resistance	7J to IEC 60079-0	IK 09 (10J) to DIN EN 50102
Gasket material	Silicone (VMQ)	Chloroprene / Silicone (VMQ)
Temperature range	-60 °C...+135 °C	-40 °C...+80 °C with chloroprene gasket / -60 °C...+135 °C with silicone gasket
Lid screws, torque**	2.5 Nm	2.5 Nm
Note	* (t=72h; h=1m) ** To secure the lid we recommend the use of our Torx® TH20 screwdriver (9009160000) Depending on the screw head size, our slotted screwdriver may also be used as an alternative, Ex enclosures available on request	

Approvals for empty enclosures

	Ex	Standard
ATEX certificate	IBExU12ATEX1144 U	
ATEX marking	II 2G Ex e IIC Gb or II 2G Ex eb IIC II 2D Ex t IIIC Db or II 2D Ex tb IIIC	
IECEX certificate	IECEX IBE 13.0001U	
IECEX marking	Ex e IIC Gb or Ex eb IIC Ex tb IIIC Db or Ex tb IIIC	
EAC	E197061 (Ord.Loc.)	
cULus		E197061
Russian Maritime Register	19.00108.272	19.00108.272
DNV GL	TAE00002SM	TAE00002SM
Installation	The Klippon® K enclosure range can be pre-fitted in our customer specific production department according to your wishes.	
Note	This enclosure range is component certified. If other electrical components are inserted into the case, additional certification is required.	

Approvals for control and distribution box

	Ex		
ATEX certificate	IBExU12ATEX1145 X	EAC certificate	RUC-DE.08.B.01328
ATEX marking	II 2G Ex e IIC T6...T4 Gb or II 2G Ex eb IIC T6...T4 II 2G Ex ia IIC T6...T4 Gb or II 2 Ex ia IIC T6...T4 II 2(1)G Ex e ia IIC T6...T4 Gb or II 2(1)G Ex eb ia IIC T6...T4 II 2D Ex t IIIC T85°C...135°C Db or II 2 D Ex tb IIIC T85°C...135°C	EAC marking	II 2 G Ex eb IIC T6... T4 II 2 G Ex e IIC T6... T4 Gb II 2 G Ex ia IIC T6... T4 II 2 G Ex ia IIC T6... T4 Gb II 2(1) G Ex eb ia IIC T6... T4 II 2(1) G Ex e ia IIC T6... T4 Gb II 2 D Ex tb IIIC T85°C...T135°C II 2 D Ex tb IIIC T85°C...T135°C Db
IECEX certificate	IECEX IBE 13.0002X		
IECEX marking	Ex e IIC T6...T4 Gb or Ex eb IIC T6...T4 Ex ia IIC T6...T4 Gb Ex e ia IIC T6...T4 Gb Ex tb IIIC T85°C...135°C Db or Ex tb IIIC T85°C...135°C		
Note	If you have specific requirements for equipment operating in explosive hazard areas, please contact us at Weidmüller to receive a full copy of the certification. For details of power dissipation, please contact your Weidmüller representative.		



Height / Width / Depth 45 / 50 / 30 mm

Ordering data

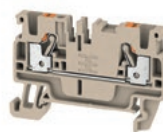
powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529090000
Standard (silicone seal)*	1937920000
unpainted	Order No.
Standard (CR seal)	0573200000
Standard (silicone seal)*	1939760000
Note	The colours of painted enclosures may vary under certain circumstances. *Delivery time on request

Accessories

Torx® screw driver	Order No.
not insulated, Torx® TH20	9009160000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x1*	1x1*
4 mm ²	1x1*	1x1*
6 mm ²		
10 mm ²		
16 mm ²		



Note

*Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. There are no prescribed possible attachment points in the enclosure.

Guide value for max. number of cable entries

Guide value for max. number of cable entries	A / B	C / D
M12	1	1
M16	1	1
M20		
M25		
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Note Helicoil for outdoor applications, available ex-works.

Klippon® K 01

Depth **34 mm**

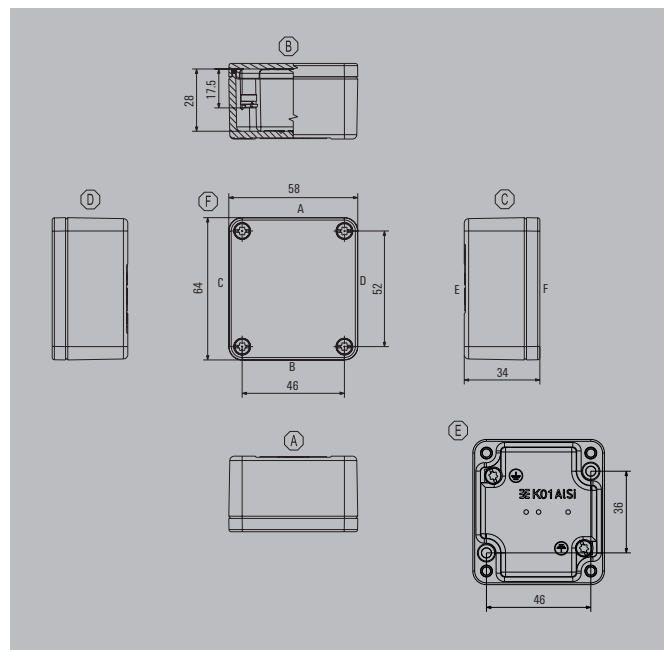

Height / Width / Depth 64 / 58 / 34 mm

Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529100000
	Standard (silicone seal)*	1937850000
unpainted		
	Standard (CR seal)	1565240000
	Standard (silicone seal)*	1939540000
Note	The colours of painted enclosures may vary under certain circumstances. *Delivery time on request	

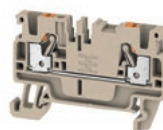
Accessories

Torx® screw driver		Order No.
	not insulated, Torx® TH20	9009160000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000

Note Helicoil for outdoor applications, available ex-works.


Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	1x1*	1x1*
4 mm²	1x1*	1x1*
6 mm²		
10 mm²		
16 mm²		



Note

*Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. There are no prescribed possible attachment points in the enclosure.

Guide value for max. number of cable entries

Guide value for max. number of cable entries	A / B	C / D
M12	1	1
M16	1	1
M20		
M25		
M32		
M40		
M50		
M63		

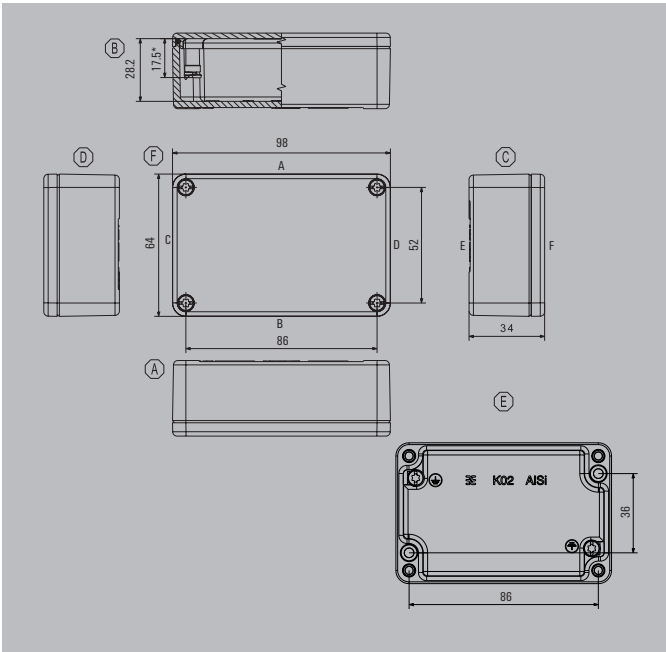


Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Klippon® K 02

Depth 34 mm



Height / Width / Depth	64 / 98 / 34 mm
------------------------	-----------------

Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529110000
Standard (silicone seal)*	1937840000
unpainted	
Standard (CR seal)	1565250000
Standard (silicone seal)*	1939550000
Note	The colours of painted enclosures may vary under certain circumstances. *Delivery time on request

Accessories

Torx® screw driver	Order No.
not insulated, Torx® TH20	9009160000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	1x1*	1x1*
4 mm²	1x1*	1x1*
6 mm²		
10 mm²		
16 mm²		

Note

*Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. There are no prescribed possible attachment points in the enclosure.

Guide value for max. number of cable entries

Guide value for max. number of cable entries	A / B	C / D
M12	3	1
M16	3	1
M20	2	
M25		
M32		
M40		
M50		
M63		

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Note

Helicoil for outdoor applications, available ex-works.

Klippon® K 1

Depth 45 mm



Height / Width / Depth 70 / 70 / 45 mm

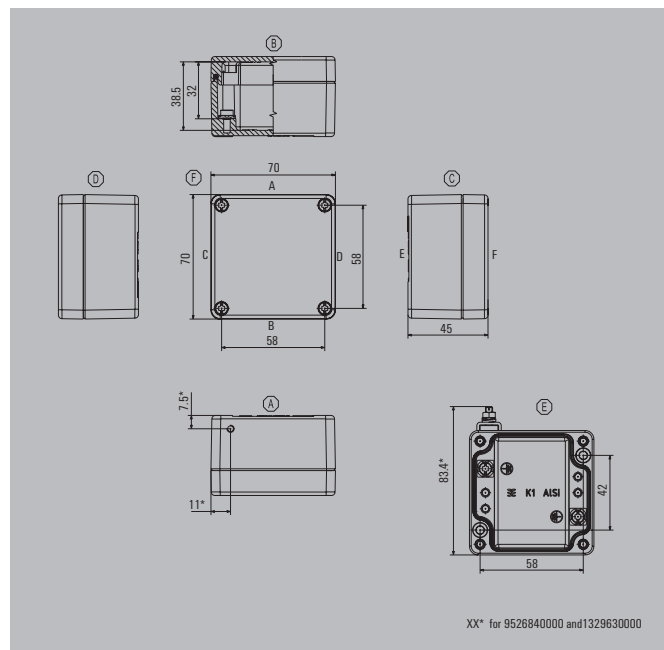
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529120000
Standard (silicone seal)*	1937630000
unpainted	
Standard (CR seal)	0342000000
Standard (silicone seal)*	1939560000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

Terminal rail, Set	Order No.
15 mm width	1909980000
Mounting plate	
Steel sheet, zinc plated	1905280000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000

Note The accessory sets contain the necessary mounting materials. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x1*	1x5
4 mm ²	1x1*	1x1*
6 mm ²		
10 mm ²		
16 mm ²		

Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. For vertical installations, we recommend using not more than one BK 4 or BK 4 CRN (0625120000). For horizontal installations with 2.5 mm² 1x5 AKZ terminal blocks (only possible on a TS 15) for 4 mm², use not more than one BK 4. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

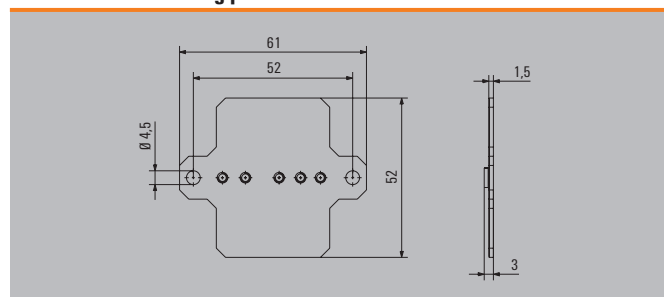
Guide value for max. number of cable entries

Guide value for max. number of cable entries	A / B	C / D
M12	2	1
M16	2	1
M20	1	
M25		
M32		
M40		
M50		
M63		

Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 11

Depth

57 mm



Height / Width / Depth 80 / 75 / 57 mm

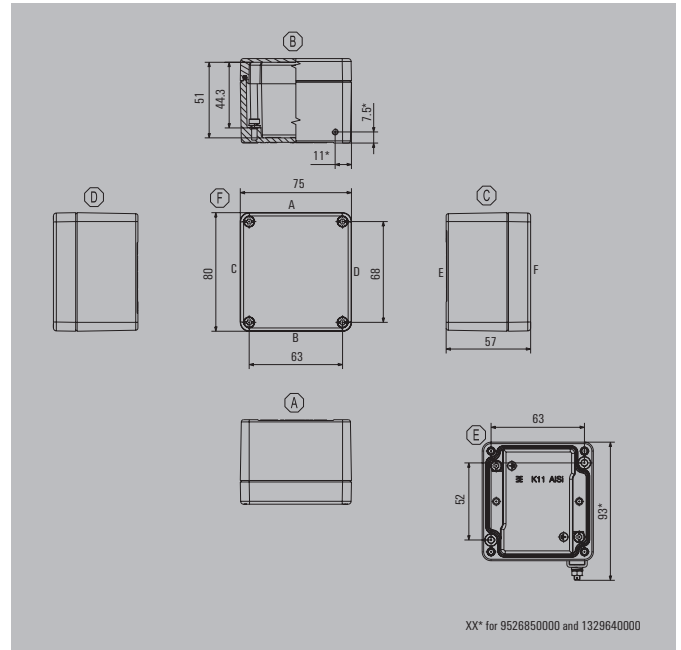
Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529130000
	Standard (silicone seal)*	1937910000
unpainted		
	Standard (CR seal)	0573300000
	Standard (silicone seal)*	1939570000
Note		The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

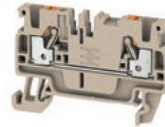
Terminal rail, Set		Order No.
	15 mm width	1909990000
Mounting plate		
	Steel sheet, zinc plated	3073000000
Hinge, diecast zinc, Set		
		1580360000
Torx® screw driver		
	not insulated, Torx® TH20	9009160000
Earthing stud		
	Brass, M6	1277250000
	Stainless steel 1.4404, M6	1283430000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x1*	1x5
4 mm ²	1x1*	1x4
6 mm ²		
10 mm ²		
16 mm ²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend at most one BK 6 or BK 6 CRN (0625220000) in vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

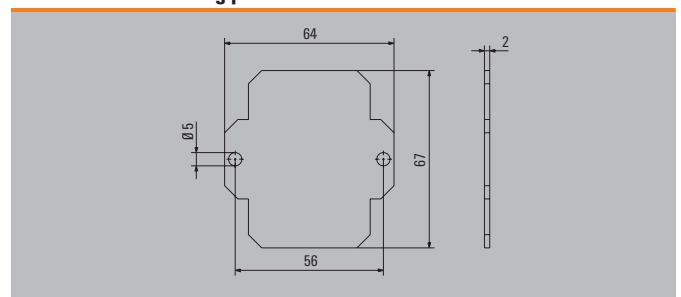
Guide value for max. number of cable entries	A / B	C / D
M12	2	2
M16	2	2
M20	1	1
M25	1	
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 2

Depth

45 mm



Height / Width / Depth 70 / 100 / 45 mm

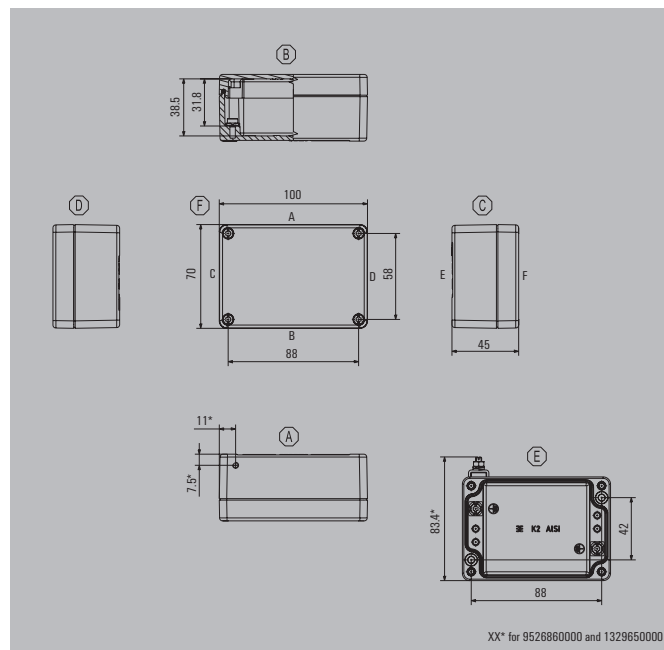
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529140000
Standard (silicone seal)*	1937930000
unpainted	
Standard (CR seal)	0342100000
Standard (silicone seal)*	1939580000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

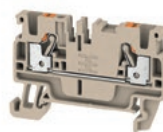
Terminal rail, Set	Order No.
15 mm width	1910010000
Mounting plate	
Steel sheet, zinc plated	1905270000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000

Note The accessory sets contain the necessary mounting materials. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x10
4 mm ²	*	
6 mm ²		
10 mm ²		
16 mm ²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend at most one BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

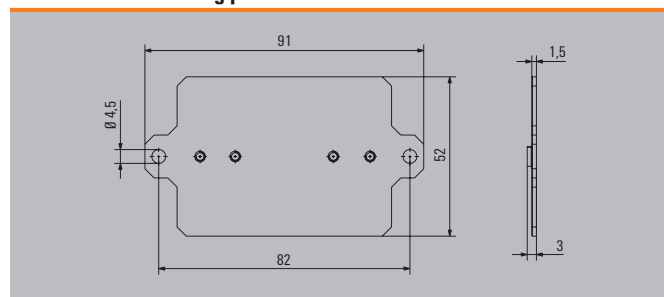
Guide value for max. number of cable entries	A / B	C / D
M12	3	1
M16	3	1
M20	2	
M25		
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 21

Depth

57 mm



Height / Width / Depth 80 / 125 / 57 mm

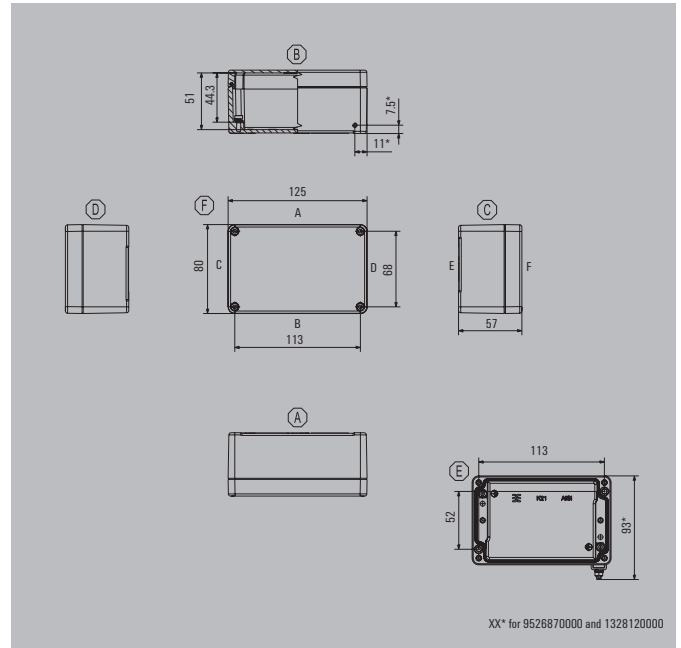
Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529150000
	Standard (silicone seal)*	1937830000
unpainted		
	Standard (CR seal)	0573400000
	Standard (silicone seal)*	1939590000
Note		The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

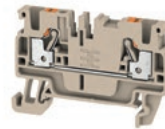
Terminal rail, Set	Order No.
15 mm width	1910020000
Mounting plate	
Steel sheet, zinc plated	3073020000
Hinge, diecast zinc, Set	
	1580360000
Torx®screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x15
4 mm ²	*	1x12
6 mm ²		
10 mm ²		
16 mm ²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

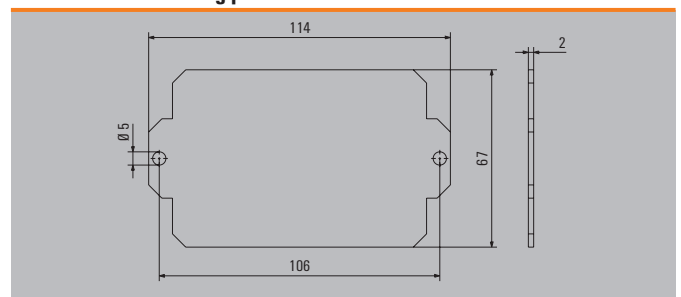
Guide value for max. number of cable entries	A / B	C / D
M12	6	2
M16	4	2
M20	3	1
M25	2	
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 3

Depth 45 mm



Height / Width / Depth 70 / 165 / 45 mm

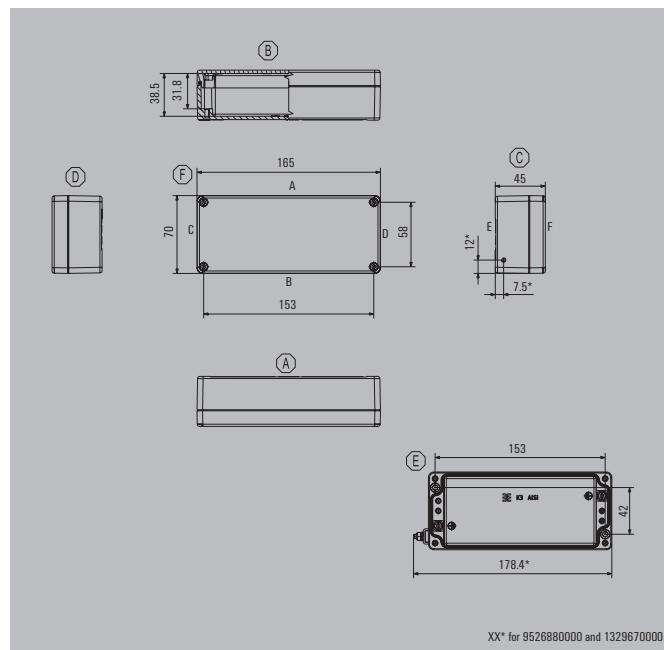
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529160000
Standard (silicone seal)*	1937900000
unpainted	Order No.
Standard (CR seal)	0342200000
Standard (silicone seal)*	1939600000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

Terminal rail, Set	Order No.
15 mm width	1910030000
Mounting plate	Order No.
Steel sheet, zinc plated	1898210000
Torx® screw driver	Order No.
not insulated, Torx® TH20	9009160000
Earthing stud	Order No.
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Helicoil for outdoor applications, available ex-works.



XX* for 9526880000 and 1329670000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x22
4 mm²	*	
6 mm²		
10 mm²		
16 mm²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

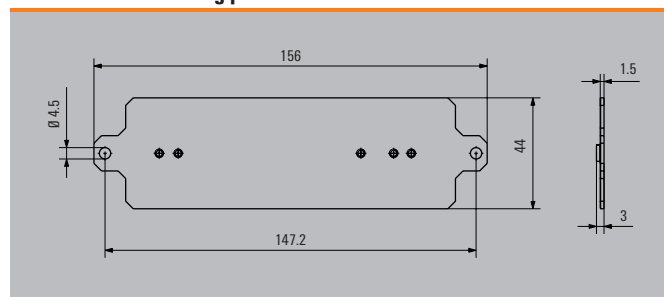
Guide value for max. number of cable entries	A / B	C / D
M12	6	1
M16	5	1
M20	4	
M25		
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 31

Depth

57 mm



Height / Width / Depth 80 / 175 / 57 mm

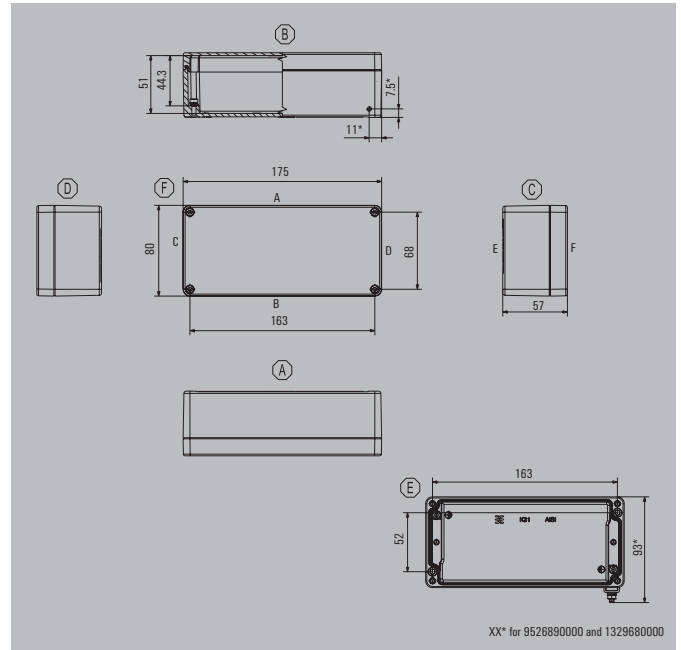
Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529170000
	Standard (silicone seal)*	1937820000
unpainted		
	Standard (CR seal)	0573500000
	Standard (silicone seal)*	1939610000
Note The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request		

Accessories

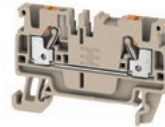
Terminal rail, Set	Order No.
15 mm width	1910040000
Mounting plate	
Steel sheet, zinc plated	3073040000
Hinge, diecast zinc, Set	
	1580360000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x23
4 mm²	*	1x19
6 mm²		
10 mm²		
16 mm²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

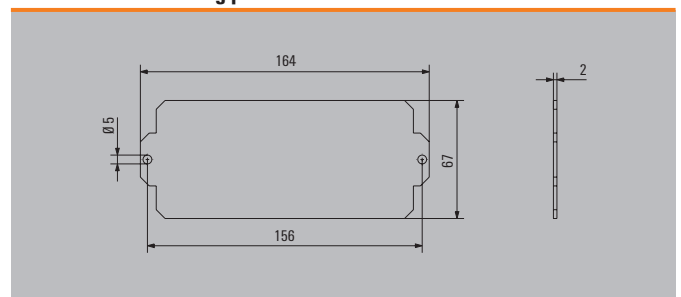
Guide value for max. number of cable entries	A / B	C / D
M12	9	2
M16	6	2
M20	4	1
M25	3	
M32		
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 32

Depth 55 mm



Height / Width / Depth 80 / 250 / 55 mm

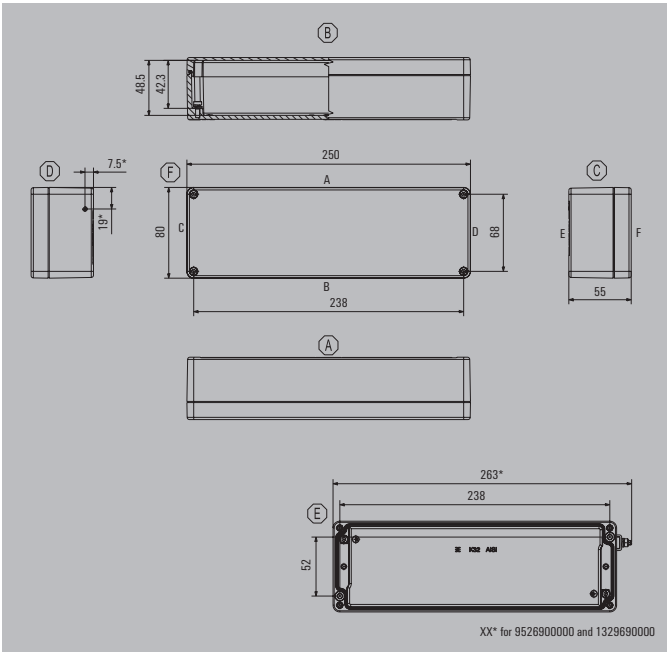
Ordering data

powder-coated (RAL 7001)		Order No.
Standard (CR seal)		9529180000
Standard (silicone seal)*		1937810000
unpainted		
Standard (CR seal)		1565260000
Standard (silicone seal)*		1939620000
Note		The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

Mounting plate		Order No.
Steel sheet, zinc plated		3073050000
Torx®screw driver		
not insulated, Torx® TH20		9009160000
Earthing stud		
Brass, M6		1277250000
Stainless steel 1.4404, M6		1283430000
Pressure compensation elements		
Stainless steel 1.4305, M12		1868550000
Polyamide 6, M12		1868570000

Note The accessory sets contain the necessary mounting materials. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x38
4 mm²	*	1x32
6 mm²		
10 mm²		
16 mm²		

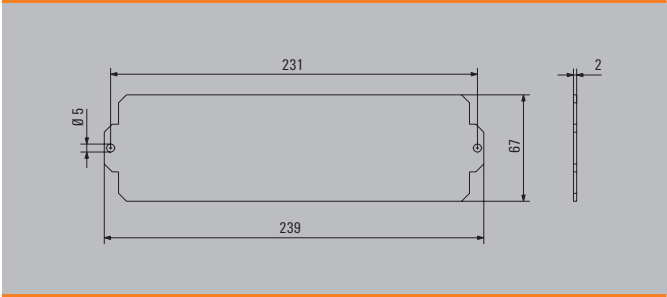
Note *Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

Guide value for max. number of cable entries	A / B	C / D
M12	15	2
M16	9	2
M20	7	1
M25	6	
M32		
M40		
M50		
M63		

Note Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 4

Depth **72 mm**

Height / Width / Depth 82 / 130 / 72 mm

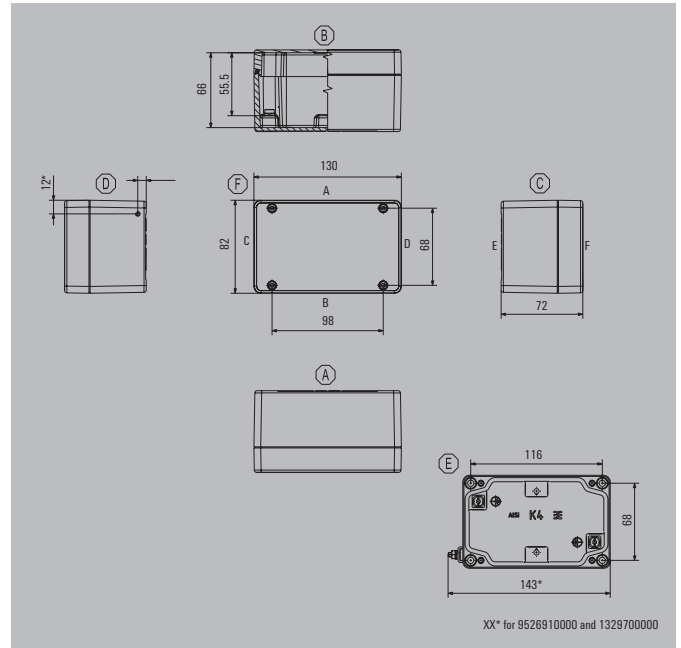
Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529190000
	Standard (silicone seal)*	1937890000
unpainted		
	Standard (CR seal)	0342300000
	Standard (silicone seal)*	1939630000
Note The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request		

Accessories

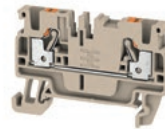
Terminal rail, Set	Order No.
35 mm width	1910060000
Mounting plate	
Steel sheet, zinc plated	3073060000
Hinge, diecast zinc, Set	
	1580360000
Torx®screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note Sets also contain the mounting material, if necessary. 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x5	*
4 mm ²	1x4	*
6 mm ²	1x3	
10 mm ²	1x2	
16 mm ²		



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Ordering recommendations: TS 35 mounting rail (screw-type terminals) WDU 2.5 1020000000 / (tension clamp terminals) ZDU 2.5 1608510000
*For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for horizontal installations. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a horizontal position.

Guide value for max. number of cable entries

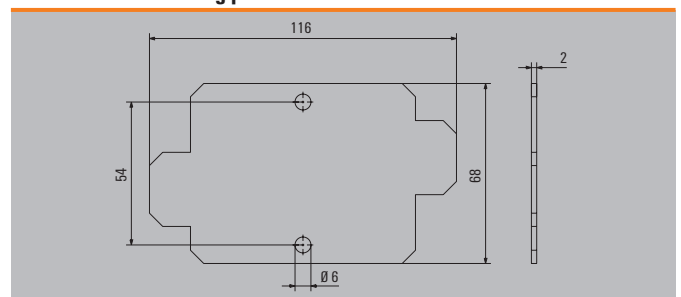
Guide value for max. number of cable entries	A / B	C / D
M12	5	2
M16	3	2
M20	2	1
M25	2	1
M32		1
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 41

Depth 81 mm



Height / Width / Depth 120 / 122 / 81 mm

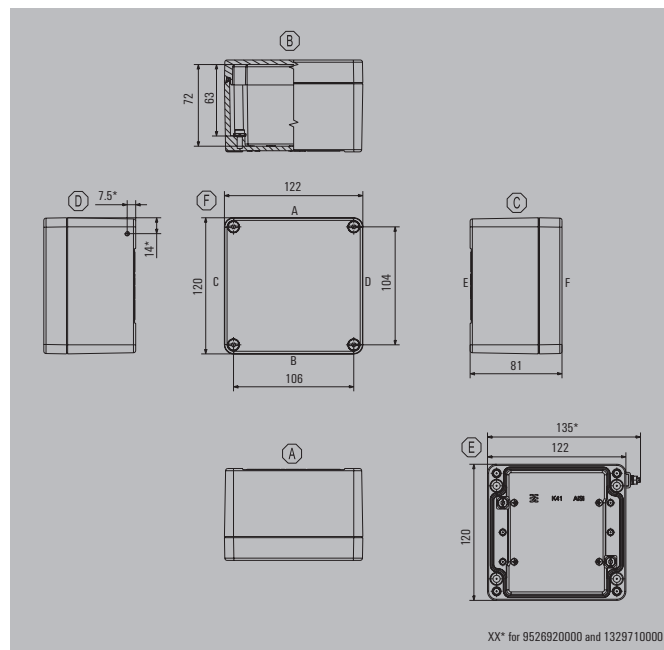
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529200000
Standard (silicone seal)*	1937800000
unpainted	
Standard (CR seal)	1565270000
Standard (silicone seal)*	1939640000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

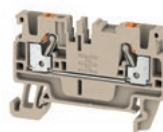
Terminal rail, Set	Order No.
35 mm width	1910070000
Mounting plate	
Steel sheet, zinc plated	3073070000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9527590000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x13
4 mm ²	*	1x11
6 mm ²		1x8
10 mm ²		1x6
16 mm ²		



Note

*Please refer to the Terminal Block Catalogue or the SAK Series for more information about populating the enclosures with terminal blocks. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

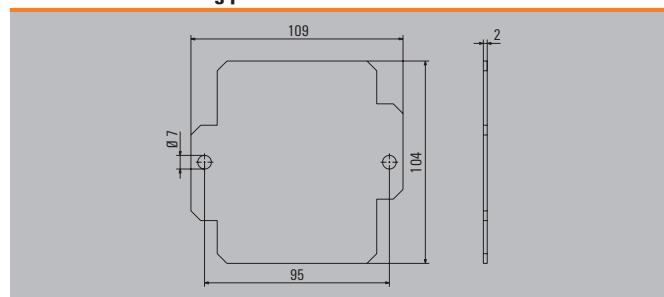
Guide value for max. number of cable entries	A / B	C / D
M12	6	4
M16	6	4
M20	3	2
M25	2	1
M32	1	1
M40		
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 51

Depth 81 mm



Height / Width / Depth 120 / 220 / 81 mm

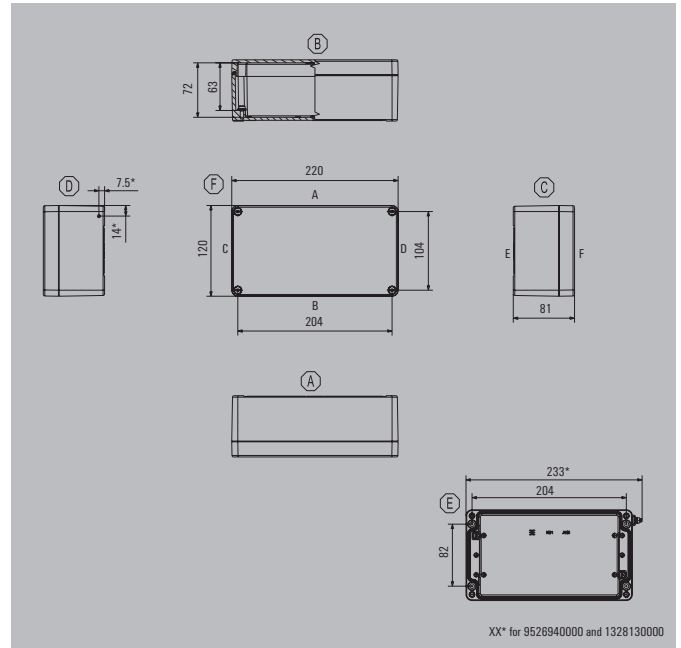
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529220000
Standard (silicone seal)*	1937750000
unpainted	
Standard (CR seal)	1565280000
Standard (silicone seal)*	1939660000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

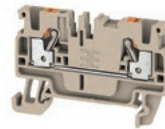
Terminal rail, Set	Order No.
35 mm width	1910090000
Mounting plate	
Steel sheet, zinc plated	3073090000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9527590000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 2 hinges per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x31
4 mm ²	*	1x26
6 mm ²		1x19
10 mm ²		1x16
16 mm ²		



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

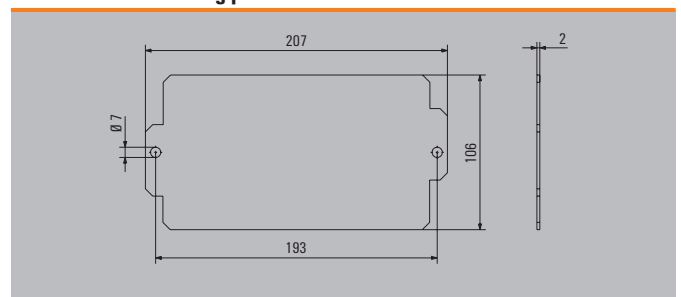
Guide value for max. number of cable entries	A / B	C / D
M12	23	6
M16	14	3
M20	8	2
M25	5	1
M32	3	1
M40	3	
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K – Aluminium enclosures

Klippon® K 52

Depth

91 mm



Height / Width / Depth 160 / 160 / 91 mm

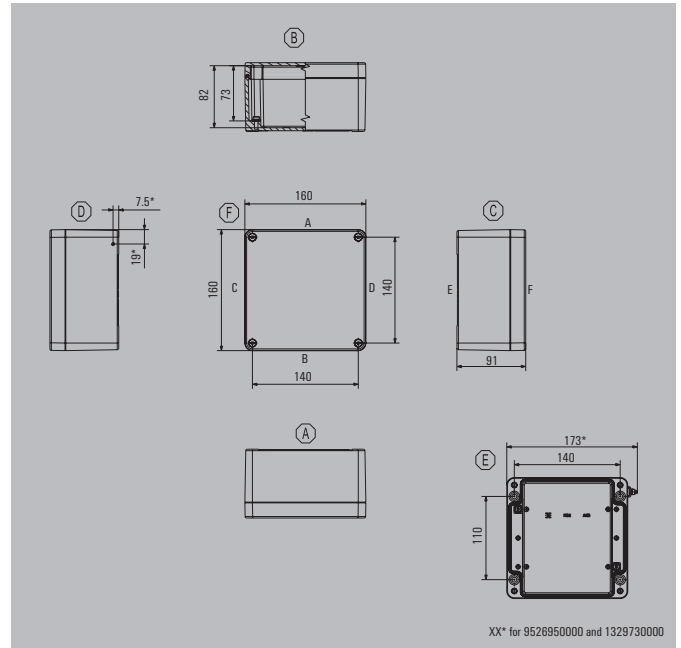
Ordering data

powder-coated (RAL 7001)		Order No.
	Standard (CR seal)	9529230000
	Standard (silicone seal)*	1937740000
unpainted		
	Standard (CR seal)	1565290000
	Standard (silicone seal)*	1939670000
Note		The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

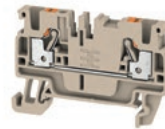
Terminal rail, Set	Order No.
35 mm width	1910100000
Mounting plate	
Steel sheet, zinc plated	3073100000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9527590000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 1 hinge per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x16
4 mm²	*	1x13
6 mm²		1x10
10 mm²		1x8
16 mm²		1x6



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

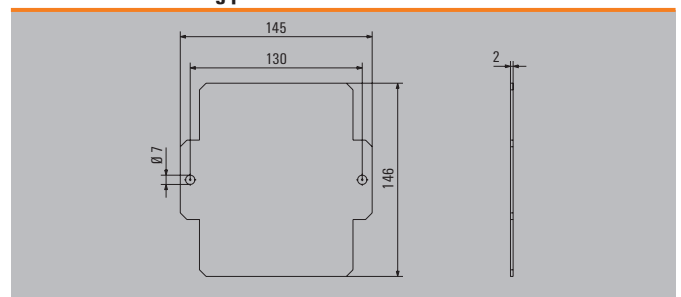
Guide value for max. number of cable entries	A / B	C / D
M12	14	8
M16	8	5
M20	5	3
M25	3	2
M32	2	1
M40	1	
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 6

Depth 100 mm



Height / Width / Depth 160 / 200 / 100 mm

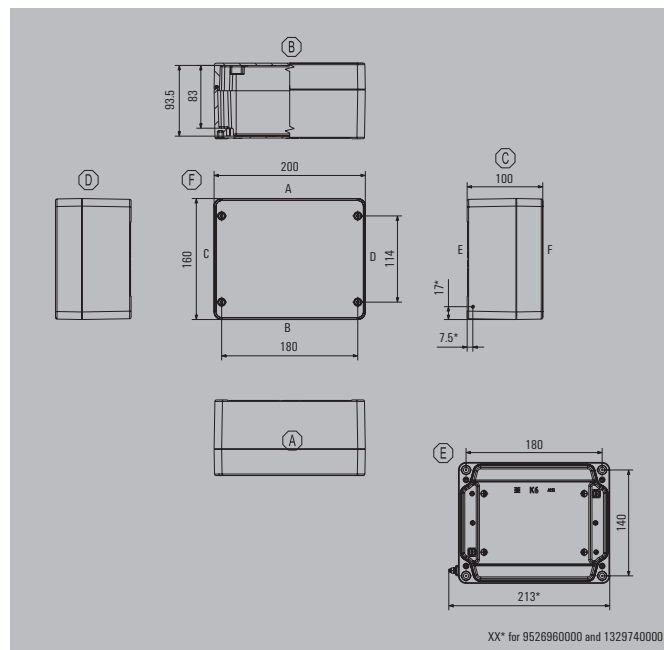
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529240000
Standard (silicone seal)*	1937870000
unpainted	
Standard (CR seal)	0342500000
Standard (silicone seal)*	1939690000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

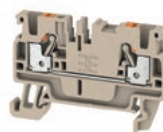
Terminal rail, Set	Order No.
35 mm width	1910110000
Mounting plate	
Steel sheet, zinc plated	3073110000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9529080000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 2 hinges per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x25
4 mm²	*	1x21
6 mm²		1x16
10 mm²		1x12
16 mm²		1x10



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

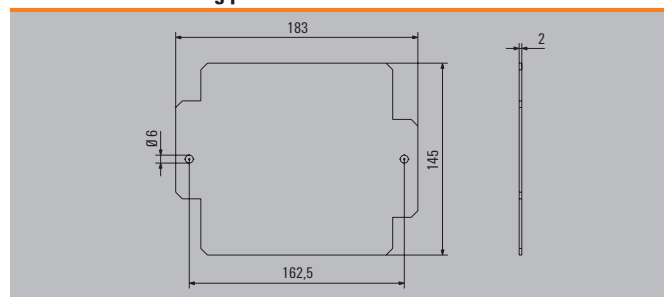
Guide value for max. number of cable entries	A / B	C / D
M12	17	6
M16	12	6
M20	7	3
M25	4	2
M32	3	2
M40	2	1
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth 160 / 260 / 91 mm

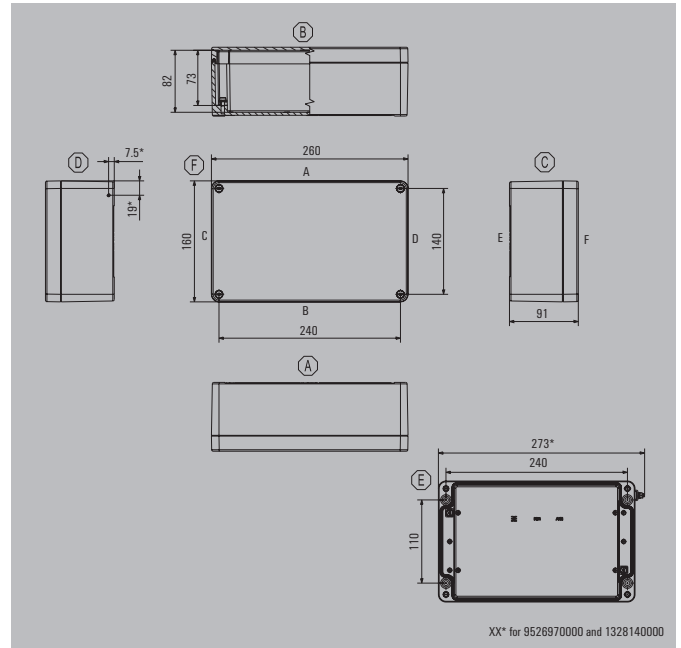
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529250000
Standard (silicone seal)*	1937730000
unpainted	
Standard (CR seal)	0573600000
Standard (silicone seal)*	1939700000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

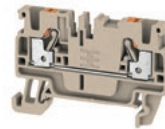
Terminal rail, Set	Order No.
35 mm width	1910120000
Mounting plate	
Steel sheet, zinc plated	3073120000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9527590000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 2 hinges per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x39
4 mm²	*	1x33
6 mm²		1x24
10 mm²		1x20
16 mm²		1x16



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

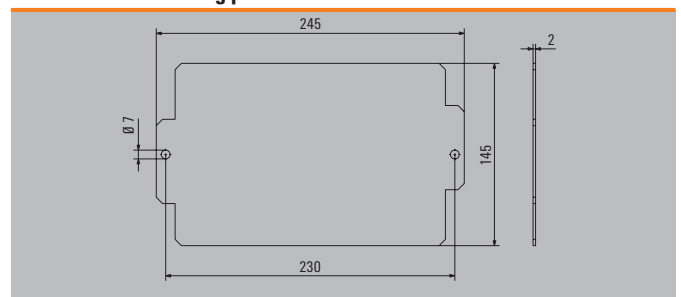
Guide value for max. number of cable entries	A / B	C / D
M12	27	8
M16	23	6
M20	13	3
M25	8	2
M32	4	1
M40	3	1
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® K 7

Depth 100 mm



Height / Width / Depth 160 / 350 / 100 mm

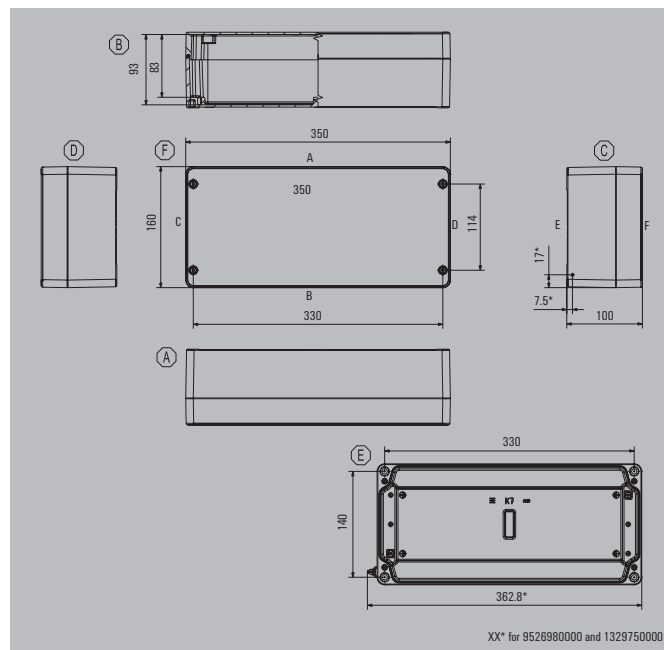
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529260000
Standard (silicone seal)*	1937880000
unpainted	Order No.
Standard (CR seal)	0342600000
Standard (silicone seal)*	1939710000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

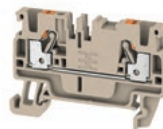
Terminal rail, Set	Order No.
35 mm width	1910130000
Mounting plate	Order No.
Steel sheet, zinc plated	3073130000
Hinge, diecast zinc, Set	Order No.
	1580360000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9529080000
Torx® screw driver	Order No.
not insulated, Torx® TH20	9009160000
Earthing stud	Order No.
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	Order No.
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 2 hinges per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x55
4 mm ²	*	1x46
6 mm ²		1x34
10 mm ²		1x28
16 mm ²		1x23



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

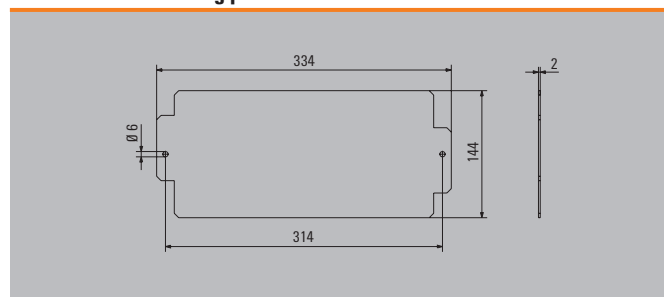
Guide value for max. number of cable entries	A / B	C / D
M12	42	8
M16	26	6
M20	17	3
M25	10	2
M32	6	2
M40	5	1
M50		
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





230 / 280 / 111 mm

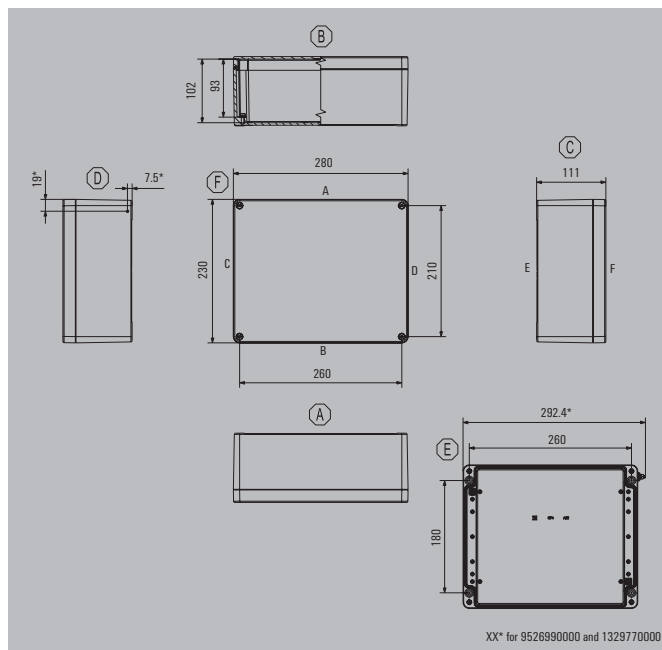
Ordering data

powder-coated (RAL 7001)	Order No.
Standard (CR seal)	9529270000
Standard (silicone seal)*	1937720000
unpainted	
Standard (CR seal)	0573700000
Standard (silicone seal)*	1939730000
Note	The colours of painted enclosures may vary under certain circumstances. Ex-enclosures are available on request. *Delivery time on request

Accessories

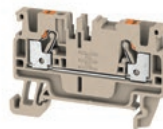
Terminal rail, Set	Order No.
35 mm width	1910140000
Mounting plate	
Steel sheet, zinc plated	3073140000
Hinge, diecast zinc, Set	
	1580360000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9527590000
Torx® screw driver	
not insulated, Torx® TH20	9009160000
Earthing stud	
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Pressure compensation elements	
Stainless steel 1.4305, M12	1868550000
Polyamide 6, M12	1868570000

Note The accessory sets contain the necessary mounting materials. Necessary on use of 2 hinges per longitudinal side. Helicoil for outdoor applications, available ex-works.



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	2x43
4 mm ²	*	2x36
6 mm ²		2x26
10 mm ²		2x21
16 mm ²		2x17



Note

The mounting rails are designed to be installed directly. Assembly with terminals provides for 10 mm clearance to the ends of the mounting rail. Order recommendations: TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology. Ordering information for the terminal blocks, please refer to the online catalogue. *For fitting the enclosures with terminal blocks, please refer to the Terminal block catalogue or the SAK series. We recommend BK 6 or BK 6 CRN (0625220000) for vertical installations. There are no specified mounting options available for mounting the enclosure in a vertical position. There are no pre-defined mounting points set within this enclosure for installing internal equipment in a vertical position.

Guide value for max. number of cable entries

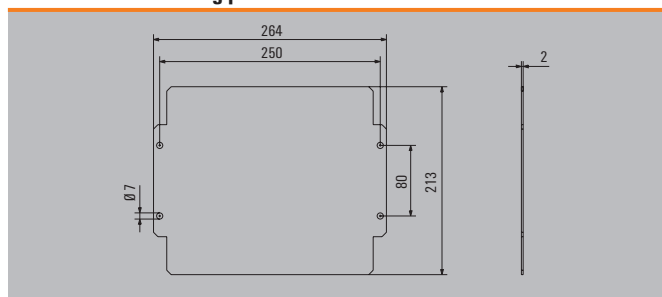
Guide value for max. number of cable entries	A / B	C / D
M12	42	28
M16	30	18
M20	21	10
M25	12	8
M32	10	3
M40	4	2
M50	3	2
M63		



Note

Our IP68 brass cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® Protect – Terminal Boxes – Product overview: Aluminium enclosure

Use the product overview to find the right solution for you! Combine your own industrial version consisting of an enclosure, with or without threaded holes, a suitable mounting rail or pre-fitted terminal strips. The compatible components are always shown in a row.

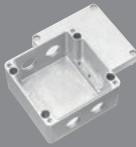
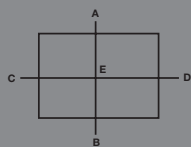
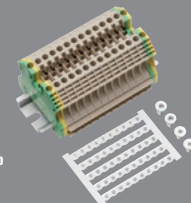
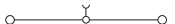
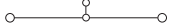
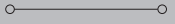
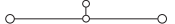
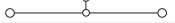
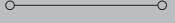
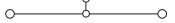
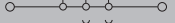
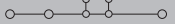
Klippon Protect enclosures with explosion protection for use in explosive risk zones are available on request.

Aluminium enclosure, uncoated

Dimensions of the enclosure height x width x depth in mm	Enclosure type	Empty enclosure without threaded holes		Mounting rail (TS) Mounting plate (MOPL)		Order No.	Qty.
		Order No.	Qty.	Type	Length in mm	Rail mounting slot dimensions in mm	
Aluminium, uncoated							
64 x 58 x 34	Klippon® K01	1565240000	10	-	-	-	-
70 x 70 x 45	Klippon® K1	0342000000	10	TS15	60	4.5 x 20	1909980000 1
80 x 75 x 57	Klippon® K11	0573300000	10	TS15	64	4.5 x 20	1909990000 1
70 x 100 x 45	Klippon® K2	0342100000	10	TS15	90	4.5 x 20	1910010000 1
80 x 125 x 57	Klippon® K21	0573400000	5	TS15	114	4.5 x 20	1910020000 1
70 x 165 x 45	Klippon® K3	0342200000	5	TS15	155	4.5 x 20	1910030000 1
80 x 175 x 57	Klippon® K31	0573500000	5	MOPL	154	4.2 x 14	8000004497 1
82 x 130 x 72	Klippon® K4	0342300000	1	TS15	164	4.5 x 20	1910040000 1
120 x 122 x 81	Klippon® K41	1565270000	1	TS35	64	5.5 x 20	1910060000 1
130 x 170 x 90	Klippon® K5	0342400000	1	TS35	105	6.3 x 20	1910070000 1
160 x 160 x 91	Klippon® K52	1565290000	1	TS35	148	5.5 x 20	1910080000 1
				TS35	140	6.3 x 20	1910100000 1
		protection class IP 66		suitable for the enclosures of the respective line			

¹⁾ Multi-pole terminal strip (terminal block BK 4, BK 6 or BK 12), mounted on mounting plate

²⁾ Space for further threaded holes up to M40

 											
Threaded hole Side A	Threaded hole Side B	Order No.	Qty.	Connection technology		Cross-section mm ²	Number of DU*	Number of PE*	Order No.	Qty.	Order No.
1x M16	1x M16	8000004184	1	Screw connection		4	4	0	7906080000	100	–
1x M16	2x M16	8000004147	1	Screw connection		4	4	0	8000004129 ¹⁾	1	8000004202
1x M20	1x M20	8000004148	1								8000004203
2x M16	2x M16	8000004149	1								8000004207
2x M20	2x M20	8000004150	1	Tension clamp connection		2.5	5	1	8000004130	1	8000004208
2x M16	2x M16			Tension clamp connection		2.5	5	1			8000004204
2x M20	2x M20			Screw connection		4	5	2			8000004209
2x M20	2x M20	8000004151	1	Screw connection		4	6	0	8000004132 ¹⁾	1	8000004210
3x M16	3x M16	8000004152	1	Screw connection		4	13	2	8000004134	1	8000004212
3x M16	3x M16			Tension clamp connection		2.5	14	2	8000004133	1	8000004211
4x M20	4x M20	8000004153	1	Screw connection		4	12	0	8000004135 ¹⁾	1	8000004213
4x M20	4x M20	8000004154	1	Screw connection		4	21	2	8000004137	1	
4x M20	4x M20			Tension clamp connection		2.5	24	2	8000004136	1	8000004214
2x M20	2x M20	8000004155	1	Screw connection		4	5	2	8000004138	1	
2x M20	2x M20			Tension clamp connection		4	4	1	8000004139	1	
2x M25	2x M25	8000003446	1	Screw connection		4	12	2	8000003444	1	8000003589
3x M20	3x M20	8000003447	1								
2x M25	2x M25										
3x M20	3x M20										8000003591
4x M20	4x M20	8000004158	1	Screw connection		4	17	2	8000004140	1	8000004218
4x M20	4x M20			Tension clamp connection		4	15	2		1	8000004219
4x M20	4x M20		1	Screw connection		4	16	2	8000004142	1	8000004220
4x M20	4x M20			Tension clamp connection		2.5	19	2	8000004143	1	8000004221
				suitable for the enclosure of the respective line *DU = feed-through terminals, PE = PE terminals						Ex-enclosure with threaded holes and terminal strip according to the respective line	

Safely control work processes in harsh environments on site

With certified enclosure solutions with control and display elements

C Harsh industrial environments, such as those in the water treatment industry, place extreme demands on the safety, robustness and quality of products and devices.

We meet these challenges with the Klippon® Control Station, the addition to our range of customised enclosure solutions. More than 50 years of expertise have made us market leader in this area with global competence centres. The basis of our enclosure solutions is provided by the usual Weidmüller quality and comprehensive approvals for explosion hazard areas. Based on this, our sturdy “on-site control station” is available in two standard sizes and with up to four control and display elements and provides a flexible solution to meet your specific needs.

Order your distributor enclosure as well as control and signaling units from a single source and from one enclosure design – for reliable security and reduced storage costs for maintenance and repair operations.

Your special advantages:

Ideal for urgent service calls

We have prepared modules of the proven Klippon® enclosure series K available for you for further processing. This means we manufacture a control solution suitable for your application at short notice.



Predestined for emergency shutdown applications: Klippon® Control Stations score when it comes to the safe shutdown of plant sections, such as in the process industry

Project solutions from a single source

Obtain command/signaling units and distribution and control boxes as a complete solution – tailored to the individual requirements of your projects in hazardous areas.



Customised assembly

In addition to standard types from stock, you can obtain enclosure solutions from us that are completely assembled and equipped according to customer requirements.



A variety of sizes and materials

Enclosures in stainless steel, aluminium or polyester are available for different environmental conditions. Depending on the size of the enclosure, it provides space for the integration of up to four control and display elements.

International certificates

The Klippon® Control Station is tested and certified among others according to ATEX and IECEx.



Reliable stability for all applications

Klippon® Protect – convincing with impact-resistant aluminium enclosures

Aluminium enclosures (Klippon® K) can be used with a wide range of applications and are ideally suited for the assembly of terminal blocks, switches, power supplies, operating and display elements or electronic modules. Available in aluminium alloy and powder coated RAL 7001. The mounting holes are located outside the sealing area, while a corresponding thread enables mounting rails and mounting plates to be affixed.

Additional features:

- Standardised enclosure with integrated threaded holes
- Cover attachment with corrosion-resistant Torx slothead screws
- Fastening by means of mounting feet or internal mounting holes
- Splice-free seals for optimum ingress protection up to IP 66



Technical data

Material
Surface finish
Colour
IP protection class
Ambient temperature
Seal material of enclosure
Seal material of command and signalling units
Flammability rating
Impact resistance IK
Cable gland material
Cable gland clamping area min. – max. in mm
M20
M25
Max. rated cross-section
Max. operating voltage
with integrated illuminated pushbutton or light module
Maximum operating current at 40 °C ambient temperature
1.5 mm ² – T6
1.5 mm ² – T5
2.5 mm ² – T6
Maximum operating current at 55 °C ambient temperature
1.5 mm ² – T4
1.5 mm ² – T5
2.5 mm ² – T5
Temperature class
Type of mounting
Earthing inside
Lid attachment
Lid screw torque
Earthing torque
Earthing outside
Approvals
Marking
Mounting feet

Aluminium

Aluminium alloy (AL-Si12)
Powder-coated
RAL 7001
IP 54; IP 66
-55 °C to 55 °C
Silicone (VMQ)
EPDM
-
7 joules in acc. with IEC60079-0 4 joules in acc. with IEC60079-0 with integrated illuminated pushbutton or light module
Nickel-plated brass
3–12 mm
10–18 mm
2.5 mm ²
400 V
250 V
10 A
16 A
16 A
16 A
16 A
10 A
16 A
T4, T5, T6
Wall mounting
Earth terminal
Torx® 20 slothead screws
2.5 Nm
2.5 Nm
M4 earthing studs, stainless steel
IECEx IAT14.0013X TUEV14ATEX7606X MARITREG 15.40082.250
2G Ex e d IIC T* Gb 2G Ex ib d [ia] IIC T* Gb 2D Ex tb IIC T80/100 °C Db
9527590000



Number of built-in components					Emergency stop pushbutton	Key switch	Pushbutton		Illuminated pushbutton		Light module		Dimensions with built-in components HxWxD in mm	Designation	Cable gland	Order number	
					red	I – 0 – II	red	green	red	green	red	green					
Aluminium	•				1								149x120x119	KLIPPON CS K41-1	VG M20	1537470000	
	•						1						149x120x94	KLIPPON CS K41-1	VG M20	1537480000	
	•					1							149x120x108	KLIPPON CS K41-1	VG M20	1537490000	
	•									1			149x120x96	KLIPPON CS K41-1	VG M20	1537500000	
	•						1	1					152x120x119	KLIPPON CS K41-4	VG M25	1537510000	
	•							1				1	152x120x103	KLIPPON CS K41-4	VG M25	1537520000	
	•				1						1		152x120x119	KLIPPON CS K41-4	VG M25	1537530000	
		•					1	1			1		250x120x103	KLIPPON CS K51-2	VG M25	1537540000	
		•					1	2					250x120x94	KLIPPON CS K51-2	VG M25	1537550000	
		•			1		1	1					250x120x119	KLIPPON CS K51-2	VG M25	1537570000	
			•				1	1			1	1	250x120x103	KLIPPON CS K51-4	VG M25	1537580000	

Klippon® CS K41-1



Klippon® CS K41-1



Technical data

Enclosure	
Dimensions with installation (HxBxD)	
Material	
General characteristics	
Surface finish / Colour	
Protection class	
Ambient temperature	
Impact resistance	
Enclosure seal material	
Seal material of operating and display elements	
Type of mounting	
Internal earth	
External earth	
Lid attachment	
Torque for lid screws	
Earth stud torque	
Electrical properties*	
Wire connection cross section, finely stranded, max.	
Operating voltage, max.	
Temperature class	
Enclosure assembly	
1 Position in enclosure	
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	
Actuators	
Actuator colour	
Illumination module colour	
Illuminated button actuator colour	
Cable entries	
Drill holes side B	
Cable gland	
Clamping range min. / max.	
Approval and Marking	
Standards	
Certificate No. (IECEX)	
Certificate No. (ATEX)	
Certificate No. (EAC)	
Certificate No. (MARITREG)	
Marking	
Accessories	
Mounting feet	

149 / 120 / 119 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm
2.5 mm²
400 V
T4, T5, T6
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NC contact, positive opening contacts
EMERGENCY STOP pushbutton
red
1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9527590000 - KLIPPON K MF KIT 25

149 / 120 / 94 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm
2.5 mm²
400 V
T4, T5, T6
Pushbutton - green
1 NC contact, 1 NO contacts
Pushbutton
green
1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9527590000 - KLIPPON K MF KIT 25

Note

Ordering data

Type	Qty.	Order No.
KLIPPON CS K41-1	1	1537470000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS K41-1	1	1537470000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS K41-1	1	1537480000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Klippon® CS K41-1



149 / 120 / 108 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Key-operated switch
1 NC contact, 1 NO contacts
Key-operated switch, 3 switching positions, I - O - II, (I + II), latching, Key retractable
1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIC T*°C Db
9527590000 - KLIPPON K MF KIT 25

Klippon® CS K41-1



149 / 120 / 96 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Illuminated pushbutton - green
2 NO contacts
Pushbutton
green
green
1 x M20
1460050000 - VG M20 EXE MS
3 mm / 12 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIC T*°C Db
9527590000 - KLIPPON K MF KIT 25

Klippon® CS K41-4



152 / 120 / 119 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - red
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE-BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIC T*°C Db
9527590000 - KLIPPON K MF KIT 25

Type	Qty.	Order No.
KLIPPON CS K41-1	1	1537490000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS K41-1	1	1537500000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS K41-4	1	1537510000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® Control Station – Aluminium enclosures – Klippon® K

Klippon® CS K41-4



Klippon® CS K41-4



Technical data

Enclosure		
Dimensions with installation (HxBxD)	152 / 120 / 103 mm	152 / 120 / 119 mm
Material	Aluminium AlSi12	Aluminium AlSi12
General characteristics		
Surface finish / Colour	Powder-coated / Silver grey	Powder-coated / Silver grey
Protection class	IP54, IP66	IP54, IP66
Ambient temperature	-55 °C...+55 °C	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC 60079-0	4 joules in acc. with IEC 60079-0
Enclosure seal material	Silicone (VMQ)	Silicone (VMQ)
Seal material of operating and display elements	EPDM	EPDM
Type of mounting	Wall mounting	Wall mounting
Internal earth	Earth terminal	Earth terminal
External earth	M4 earthing studs, stainless steel	M4 earthing studs, stainless steel
Lid attachment	Torx®-20 slothead screws	Torx®-20 slothead screws
Torque for lid screws	2.5 Nm	2.5 Nm
Earth stud torque	2.5 Nm	2.5 Nm
Electrical properties*		
Wire connection cross section, finely stranded, max.	2.5 mm²	2.5 mm²
Operating voltage, max.	250 V	250 V
Temperature class	T4, T5, T6	T4, T5, T6
Enclosure assembly		
1 Position in enclosure	Light module - green	Light module - red
2 Position in enclosure	Pushbutton - green	EMERGENCY-STOP pushbutton with yellow, contrasting label
3 Position in enclosure		
4 Position in enclosure		
Contact design	1 NC contact, 1 NO contacts	2 NC contact, positive opening contacts
Actuators	Pushbutton	EMERGENCY STOP pushbutton
Actuator colour	green	red
Illumination module colour	green	
Illuminated button actuator colour		
Cable entries		
Drill holes side B	1 x M25	1 x M25
Cable gland	1460070000 - VG M25 EXE MS	1460070000 - VG M25 EXE MS
Clamping range min. / max.	10 mm / 18 mm	10 mm / 18 mm
Approval and Marking		
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE-BE02.B.00173	RUC-DE-BE02.B.00173
Certificate No. (MARITREG)	15.40082.250	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db
Accessories		
Mounting feet	9527590000 - KLIPPON K MF KIT 25	9527590000 - KLIPPON K MF KIT 25

Note

Ordering data

Type	Qty.	Order No.	Type	Qty.	Order No.
KLIPPON CS K41-4	1	1537520000	KLIPPON CS K41-4	1	1537530000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS K51-2



250 / 120 / 103 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm

2.5 mm²
250 V
T4, T5, T6

Pushbutton - red
Light module - green
Pushbutton - green

2 NC contact, 2 NO contacts
Pushbutton

red, green
green

1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

9527590000 - KLIPPON K MF KIT 25

Klippon® CS K51-2



250 / 120 / 94 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm

2.5 mm²
400 V
T4, T5, T6

Pushbutton - green
Pushbutton - red
Pushbutton - green

3 NC contact, 3 NO contacts
Pushbutton

green, red

1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

9527590000 - KLIPPON K MF KIT 25

Klippon® CS K51-2



250 / 120 / 119 mm
Aluminium AlSi12
Powder-coated / Silver grey
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
Silicone (VMQ)
EPDM
Wall mounting
Earth terminal
M4 earthing studs, stainless steel
Torx®-20 slothead screws
2.5 Nm
2.5 Nm

2.5 mm²
400 V
T4, T5, T6

Pushbutton - green
Pushbutton - red
EMERGENCY-STOP pushbutton with yellow, contrasting label

2 NO contacts, 2 NC contact, positive opening contacts
Pushbutton, EMERGENCY STOP pushbutton

green, red

1 x M25
1460070000 - VG M25 EXE MS
10 mm / 18 mm

IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T**C Db

9527590000 - KLIPPON K MF KIT 25

Type	Qty.	Order No.
KLIPPON CS K51-2	1	1537540000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS K51-2	1	1537550000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS K51-2	1	1537570000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS K51-4



Technical data

Enclosure	
Dimensions with installation (HxBxD)	250 / 120 / 103 mm
Material	Aluminium AlSi12
General characteristics	
Surface finish / Colour	Powder-coated / Silver grey
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC 60079-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
Internal earth	Earth terminal
External earth	M4 earthing studs, stainless steel
Lid attachment	Torx®-20 slothead screws
Torque for lid screws	2.5 Nm
Earth stud torque	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - red
2 Position in enclosure	Pushbutton - red
3 Position in enclosure	Light module - green
4 Position in enclosure	Pushbutton - green
Contact design	2 NC contact, 2 NO contacts
Actuators	Pushbutton
Actuator colour	green, red
Illumination module colour	red, green
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	1460070000 - VG M25 EXE MS
Clamping range min. / max.	10 mm / 18 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE-BE02.B.00173
Certificate No. (MARITREG)	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db
Accessories	
Mounting feet	9527590000 - KLIPPON K MF KIT 25

Note

Ordering data

Type	Qty.	Order No.
KLIPPON CS K51-4	1	1537580000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® POK – Polyester Enclosures

Universal terminal boxes for standard industrial applications and for potentially explosive atmospheres in Zones 1 and 2, 21 and 22

The Klippon® POK enclosure range is made from a high-quality glass fibre reinforced polyester and is ideal for applications and environments where corrosion resistance, impact resistance and a high IP protection class is a requirement.

Key Features:

- Manufactured from glass fibre reinforced polyester
- Available in 17 sizes
- Two standard finishes (colours)
 - Grey, similar to RAL 7001 (industrial use)
 - Black, similar to RAL 9011 (harsh environments, Ex)
- Captive lid fixing screws are stainless steel
- Fixing holes are located outside of the lid sealing area to ensure high ingress protection of IP66
- Threaded holes for internal component mounting
- Silicone sealing for extreme temperature environments
- Impact resistance up to 7 Joules
- Approved to the latest international standards, including EN 62208 and IEC EN 60079

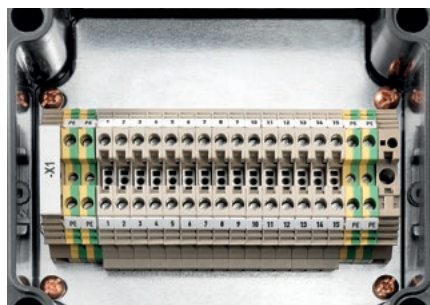
Cross-head screws

The enclosure lid is secured with stainless steel captive cross-head screws. Handling the enclosure is made simple. A single tool is the only requirement for quick and easy installation.



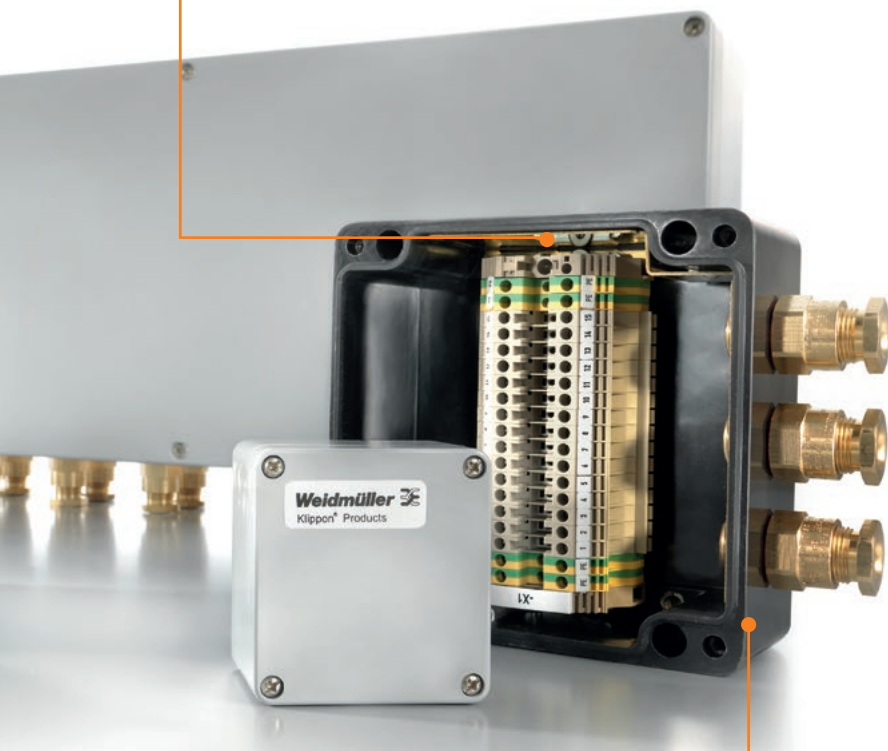
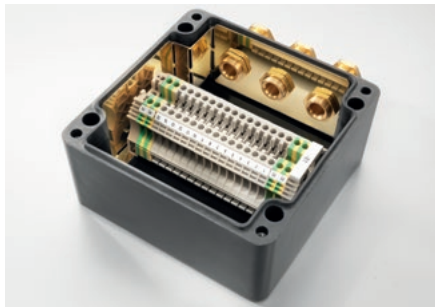
Mounting plates

Internal mounting plates for the installation of terminal rails, terminal blocks or other equipment are available.



Brass Earth Continuity Plate

An angled design made to complement the Klippon® POK enclosures installed in potentially explosive atmospheres. The brass earth continuity plate is available as an optional accessory.

**Earth kit**

The Klippon® POK Ex enclosures are designed for applications installed in potentially explosive atmospheres. An M6 or M10 internal/external earth kit is available as an optional accessory.

**Other Colour**

Grey, similar to RAL7001

Black, similar to RAL 9011

Other colours are available on request (subject to a minimum order quantity).

**Enclosure wall fixing (direct or via mounting lugs)**

The fixing positions of each enclosure are located outside of the sealing area. The enclosure can be fastened directly via fixing holes found on the rear side of the enclosure or alternatively, it is possible to secure the enclosure from the outside by means of mounting lugs that are separately available.

**Closed moulded sealing**

Robust and secure sealing increases the performance of each enclosure with enhanced ingress protection.

The Klippon® POK enclosures are supplied as standard with a removable and replaceable moulded gasket.

Available in either silicone or chloroprene material and depending upon the enclosure type they are adapted to the contour of each enclosure to ensure ingress performance is maintained.



Klippon® POK – Polyester enclosures

The Klippon® POK range of polyester enclosures are designed to protect and integrate with general purpose electrical and electronic equipment as well as control components in harsh environments or potentially explosive atmospheres.

Designed to meet the rigorous demands of industrial automation or process control and energy industries and with signal and component protection in mind, the Klippon POK enclosure range is designed to meet the customers' application needs.

Our customer specific assembly service can provide a fully customised enclosure solution, designed to meet the customer requirements.

Features:

- For use in potentially explosive atmospheres and industrial applications
- Extremely robust with a high impact resistance
- Approved to the latest international standards
- M4 or M6 mounting elements integrated into enclosure body for installation of mounting plates, mounting rails, printed circuit boards etc.

Note: The enclosure range Klippon® POK can be assembled with terminals or other approved equipment by our locally available Application-Specific Solutions service. Please ask us for more details.



Overview of enclosures

Ordering data

Description	Hight x width x depth in mm	Standard (grey finish)	Ex Enclosures (black finish)	Reference product
Klippon® POK 080806	75 x 80 x 55	1305810000	1306000000	Klippon® POK 1
Klippon® POK 081106	75 x 110 x 56	1305820000	1306010000	Klippon® POK 2
Klippon® POK 081606	75 x 160 x 56	1305830000	1306020000	Klippon® POK 3
Klippon® POK 081906	75 x 190 x 55	1305840000	1306030000	Klippon® POK 31
Klippon® POK 082306	75 x 230 x 56	1305850000	1306040000	Klippon® POK 32
Klippon® POK 121209	120 x 122 x 90	1305870000	1306050000	Klippon® POK 4
Klippon® POK 122209	120 x 220 x 90	1305880000	1306070000	Klippon® POK 5
Klippon® POK 161609	160 x 160 x 90	1305890000	1306080000	Klippon® POK 51
Klippon® POK 162609	160 x 260 x 90	1305900000	1306090000	Klippon® POK 6
Klippon® POK 163609	160 x 360 x 90	1305910000	1306100000	Klippon® POK 7
Klippon® POK 165609	160 x 560 x 90	1305920000	1306110000	Klippon® POK 71
Klippon® POK 252512	250 x 255 x 120	1305930000	1306120000	Klippon® POK 8
Klippon® POK 252516	250 x 255 x 160.5	1305980000	1306170000	Klippon® POK 9
Klippon® POK 254012	250 x 400 x 120	1305940000	1306130000	Klippon® POK 91
Klippon® POK 254016	250 x 400 x 160.5	1305990000	1306180000	Klippon® POK 10
Klippon® POK 256012	250 x 600 x 120	1305950000	1306140000	Klippon® POK 11
Klippon® POK 404012	405 x 400 x 120	1305970000	1306150000	Klippon® POK 12
Hinweis				

Technical Overview

Technical data

	Ex	Standard
Enclosure material	Glass fibre-reinforced polyester to DIN 16913 with added graphite	Glass fibre-reinforced polyester to DIN 16913
Surface	Black, similar to RAL 9011	Grey, similar to RAL7001
IP Rating	IP 66 to DIN EN 60529	IP 66 to DIN EN 60529
NEMA Rating	4, 4x	4, 4x
Equipment mounting	M4 to M6 threaded bushes	M4 to M6 threaded bushes
Enclosure mounting	4 holes for M4 to M6 screw	4 holes for M4 to M6 screw
Lid fixing	M4/M6 slothead / crosshead screws from stainless steel	M4/M6 slothead / crosshead screws from stainless steel
Impact Resistance	7J to IEC 60029-0	IK08 (5J) to DIN EN 50102
Gasket material	Silicone (VMQ)	Chloroprene
Temperature range	-55 °C...+100 °C	-40 °C...+100 °C
Torque screws of lid M4	2.0 – 2.5 Nm	2.0 – 2.5 Nm
Torque screws of lid M6	2.5 – 3.0 Nm	2.5 – 3.0 Nm
Surface resistance (in ohms)	< 10 ⁹ Ohm	10 ¹² Ohm
Flammability	UL 94 V0, self extinguishing	UL 94 V0, self extinguishing
Toxicity	Halogen and cadmium-free	Halogen and cadmium-free
Note		

Approvals for empty enclosures

	Ex	Standard
ATEX certificate	IBExU13ATEX1003 U	
ATEX marking	Ⓔ II 2G Ex e IIC Gb or Ⓔ II 2G Ex eb IIC Ⓔ II 2D Ex tb IIIC Db or Ⓔ II 2D Ex tb IIIC	
IECEx certificate	IECEx IBE 13.0003U	
IECEx marking	Ex e IIC Gb or Ex eb IIC Ex tb IIIC Db or Ex tb IIIC	
EAC	RUC-DE.08.B.00472	RUC-DE.08.B.00472
cULus	E 256877	E 256877
Lloyd's Register	14/20001	14/20001
Russian Maritime Register	19.00109.272	
DNV GL	TAE00002R2	TAE00002R2
AEx	E223792	
Note		

Approvals terminal enclosures

ATEX certificate	IBExU13ATEX1004 X		
ATEX marking	Ⓔ II 2G Ex e IIC T6...T5 Gb or Ⓔ II 2G Ex eb IIC T6...T5 Ⓔ II 1G Ex ia IIC T6...T5 Ga or Ⓔ II 1G Ex ia IIC T6...T5 Ⓔ II 2(1)G Ex e ia IIC T6...T5 Gb or Ⓔ II 2(1)G Ex eb ia IIC T6...T5 Ⓔ II 2D Ex tb IIIC T 85 °C...100 °C Db or Ⓔ II 2D Ex tb IIIC T 85 °C...100 °C		
IECEx certificate	IECEx IBE 13.0004X		
IECEx marking	Ex e IIC T6...T5 Gb or Ex eb IIC T6...T5 Ex ia IIC T6...T5 Ga or Ex ia IIC T6...T5 Ex e ia IIC T6...T5 Gb or Ex eb ia IIC T6...T5 Ex tb IIIC T 85 °C...100 °C Db or Ex tb IIIC T 85 °C...100 °C		
EAC certificate	RUC-DE.08.B.01328	AEx certificate	E223792
EAC marking	II 2 G Ex eb IIC T6/T5 II 2 G Ex e IIC T6/T5 Gb II 1 G Ex ia IIC T6/T5 II 1 G Ex ia IIC T6/T5 Ga II 2(1) G Ex eb ia IIC T6/T5 II 2(1) G Ex e ia IIC T6/T5 Gb II 2 D Ex tb IIIC T 85 °C...100 °C II 2 D Ex tb IIIC T 85 °C...100 °C Db	AEx marking	Class I, Zone 1, AEx e IIC Gb T6...T4 Class I, Zone 2, AEx e IIC Gc T6...T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
KOSHA certificate	16-AV4B0-246X		
KOSHA marking	Ex e IIC T6...T5 Gb or Ex eb IIC T6...T5 Ex ia IIC T6...T5 Ga or Ex ia IIC T6...T5 Ex e ia IIC T6...T5 Gb or Ex eb ia IIC T6...T5 Ex tb IIIC T 85 °C...100 °C Db or Ex tb IIIC T 85 °C...100 °C		
Note			
If you have specific requirements for installations within potentially explosive atmospheres, please contact Weidmüller for a copy of the approval certificates. For details of power dissipation, please contact your Weidmüller representative.			



Height / Width / Depth 75 / 80 / 55 mm

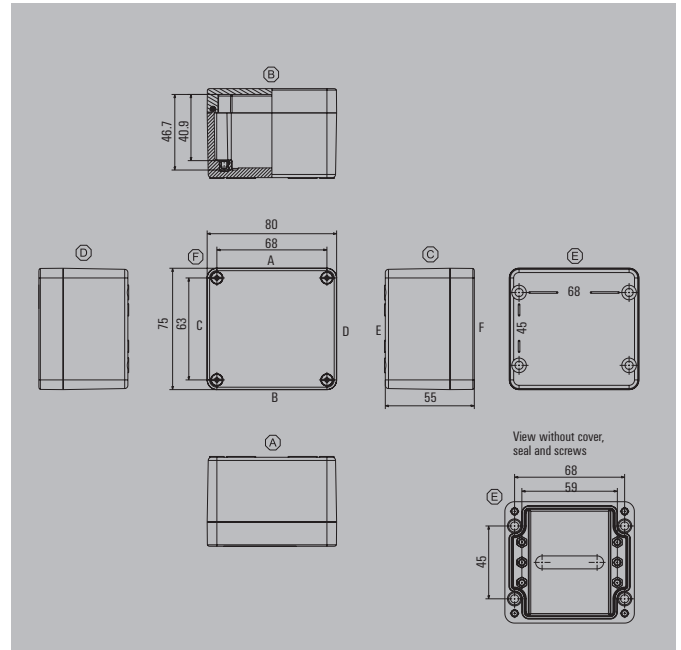
Ordering data

RAL 7001	Standard	Order No.
		1305810000
RAL 9011	Ex enclosure	Order No.
		1306000000
Note The overview page lists the ambient temperatures.		

Accessories

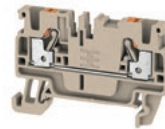
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510570000
Steel sheet, galvanized for applications with earthing plate	1534280000
Fastening screws for mounting plates	0642600000
Mounting rails, TS15x5	Order No.
Horizontally	8000003889
Brass Earth Continuity Plate	Order No.
Brass	1390910000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510900000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x1*	1x5
4 mm ²	1x1*	1x4
6 mm ²		
10 mm ²		
16 mm ²		



Note

* Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. We recommend a maximum of one BK 6, e.g. BK 6 CRN (0625220000), for vertical installation. There are no specified mounting options available for mounting the enclosure in a vertical position.
Order recommendations:
TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology
TS 32 mounting rail with clamping yoke technology SAK
TS 15 mounting rail with clamping yoke technology AKZ
Ordering information for the terminal blocks, please refer to the online catalogue.

Guide value for max. number of cable entries

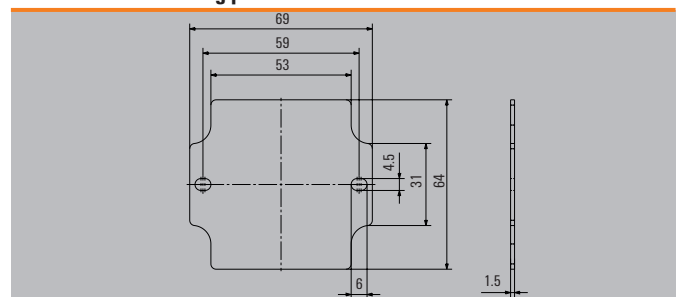
Guide value for max. number of cable entries	A / B	C / D
M12	4	1
M16	2	1
M20	1	1
M25	1	
M32		
M40		
M50		
M63		



Note

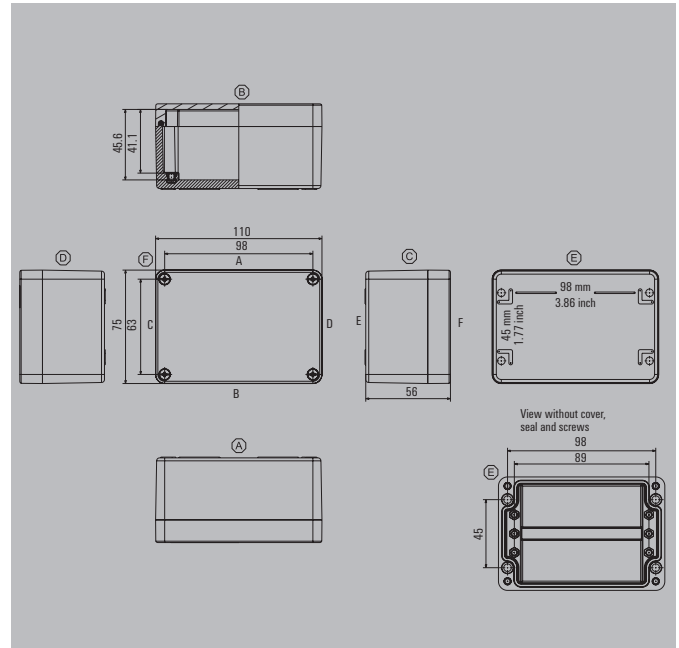
** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® POK 081106

Depth 56 mm



Height / Width / Depth 75 / 110 / 56 mm

Ordering data

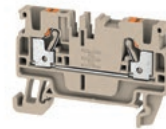
RAL 7001	Standard	Order No.
		1305820000
RAL 9011	Ex enclosure	Order No.
		1306010000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510580000
Steel sheet, galvanized for applications with earthing plate	1534290000
Fastening screws for mounting plates	0642600000
Mounting rails, TS15x5	Order No.
Horizontally	8000003890
Brass Earth Continuity Plate	Order No.
Brass	1390920000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510900000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	1x1*	1x10
4 mm ²	1x1*	1x9
6 mm ²		
10 mm ²		
16 mm ²		



Note

* Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. We recommend a maximum of one BK 6, e.g. BK 6 CRN (0625220000), for vertical installation. There are no specified mounting options available for mounting the enclosure in a vertical position.
 Order recommendations:
 TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology
 TS 32 mounting rail with clamping yoke technology SAK
 TS 15 mounting rail with clamping yoke technology AKZ
 Ordering information for the terminal blocks, please refer to the online catalogue.

Guide value for max. number of cable entries

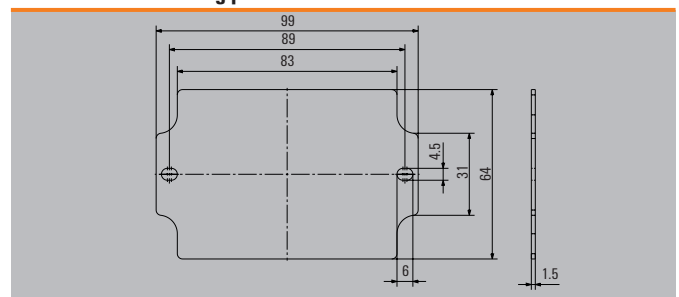
Guide value for max. number of cable entries	A / B	C / D
M12	7	1
M16	3	1
M20	2	1
M25	2	
M32		
M40		
M50		
M63		



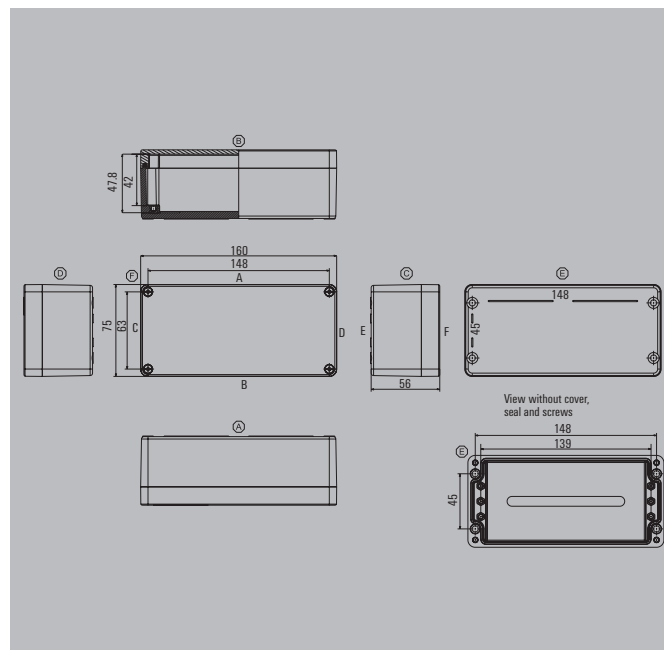
Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Note



Height / Width / Depth	75 / 160 / 56 mm
------------------------	------------------

Ordering data

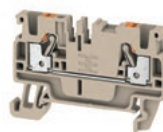
RAL 7001	Standard	Order No.
		1305830000
RAL 9011	Ex enclosure	Order No.
		1306020000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510680000
Steel sheet, galvanized for applications with earthing plate	1534310000
Fastening screws for mounting plates	0642600000
Mounting rails, TS15x5	
Horizontally	8000003891
Brass Earth Continuity Plate	
Brass	1390930000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9510900000
Earthing stud	
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x20
4 mm ²	*	1x17
6 mm ²		
10 mm ²		
16 mm ²		



Note

* Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. We recommend a maximum of one BK 6, e.g. BK 6 CRN (0625220000), for vertical installation. There are no specified mounting options available for mounting the enclosure in a vertical position.
Order recommendations:
TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology
TS 32 mounting rail with clamping yoke technology SAK
TS 15 mounting rail with clamping yoke technology AKZ
Ordering information for the terminal blocks, please refer to the online catalogue.

Guide value for max. number of cable entries

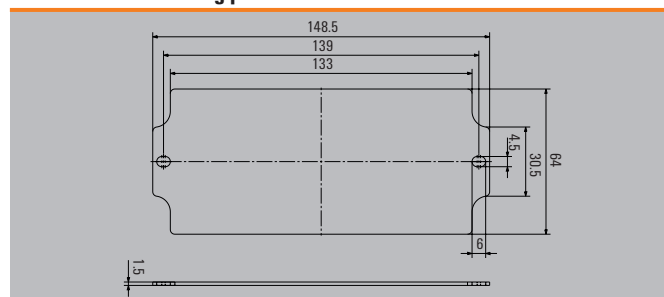
Guide value for max. number of cable entries	A / B	C / D
M12	11	1
M16	5	1
M20	4	1
M25	3	
M32		
M40		
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Note

Klippon® POK 081906

Depth 55 mm



Height / Width / Depth 75 / 190 / 55 mm

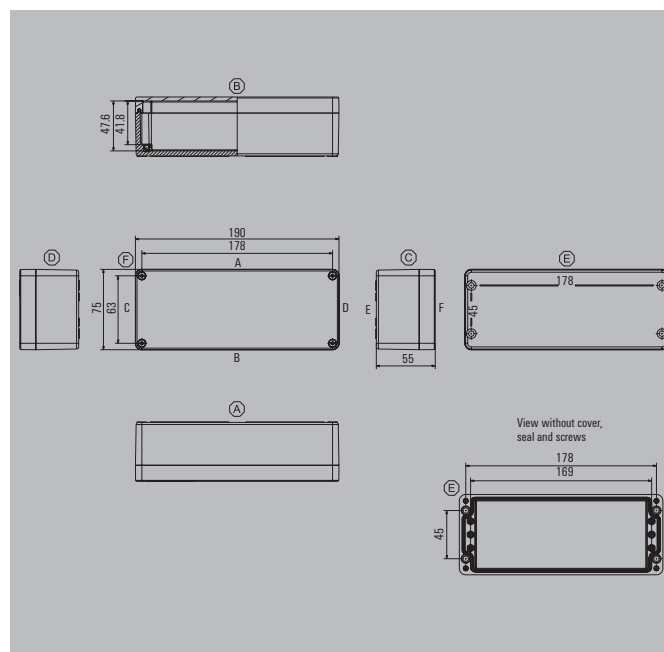
Ordering data

RAL 7001	Standard	Order No.
		1305840000
RAL 9011	Ex enclosure	Order No.
		1306030000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510690000
Steel sheet, galvanized for applications with earthing plate	1534320000
Fastening screws for mounting plates	0642600000
Mounting rails, TS15x5	
Horizontally	8000003892
Brass Earth Continuity Plate	
Brass	1390940000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9510900000
Earthing stud	
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	1x26
4 mm²	*	1x22
6 mm²		
10 mm²		
16 mm²		



Note

* Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. We recommend a maximum of one BK 6, e.g. BK 6 CRN (0625220000), for vertical installation. There are no specified mounting options available for mounting the enclosure in a vertical position.

Order recommendations:
 TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology
 TS 32 mounting rail with clamping yoke technology SAK
 TS 15 mounting rail with clamping yoke technology AKZ
 Ordering information for the terminal blocks, please refer to the online catalogue.

Guide value for max. number of cable entries

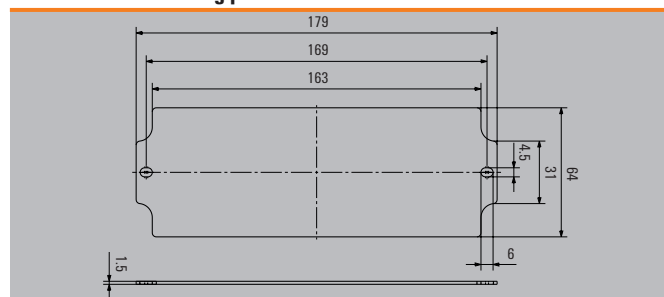
Guide value for max. number of cable entries	A / B	C / D
M12	14	1
M16	6	1
M20	5	1
M25	4	
M32		
M40		
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth 75 / 230 / 56 mm

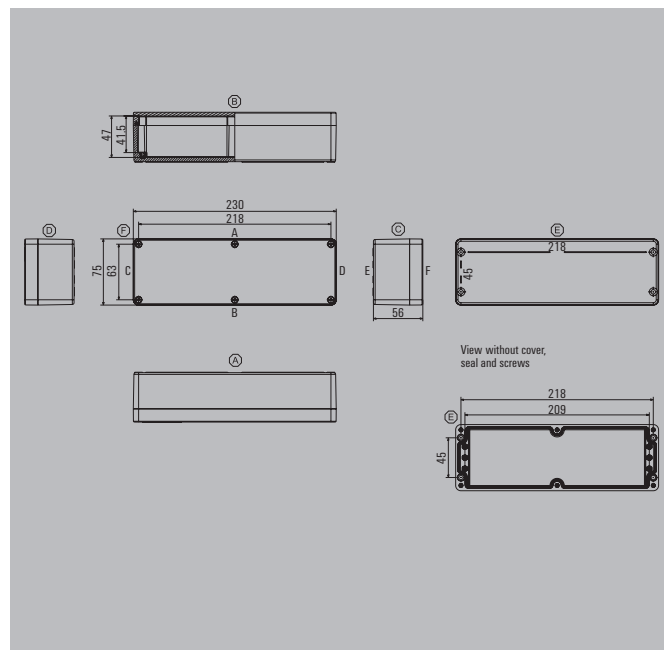
Ordering data

RAL 7001	Standard	Order No.
		1305850000
RAL 9011	Ex enclosure	Order No.
		1306040000
Note The overview page lists the ambient temperatures.		

Accessories

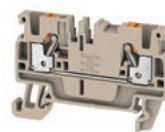
Mounting plates and fastening screws		Order No.
Steel sheet, galvanized for applications with earthing plate		1534330000
Fastening screws for mounting plates		0642600000
Mounting rails, TS15x5		
	Horizontally	8000032382
Brass Earth Continuity Plate		
	Brass	1390950000
External mounting feet, set of 4		
	Stainless steel 1.4301 natural	9510900000
Earthing stud		
	Brass, M10	1277220000
	Stainless steel 1.4404, M10	1283440000
	Brass, M6	1277250000
	Stainless steel 1.4404, M6	1283430000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
	Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x33
4 mm ²	*	1x28
6 mm ²		
10 mm ²		
16 mm ²		



Note

* Please refer to the Terminal Block catalogue or the SAK Series for more information about assembling the enclosures with terminal blocks. We recommend a maximum of one BK 6, e.g. BK 6 CRN (0625220000), for vertical installation. There are no specified mounting options available for mounting the enclosure in a vertical position.
Order recommendations:
TS 35 mounting rail with WDU clamping yoke technology, ZDU spring-cage terminal block or A2C PUSH IN technology
TS 32 mounting rail with clamping yoke technology SAK
TS 15 mounting rail with clamping yoke technology AKZ
Ordering information for the terminal blocks, please refer to the online catalogue.

Guide value for max. number of cable entries

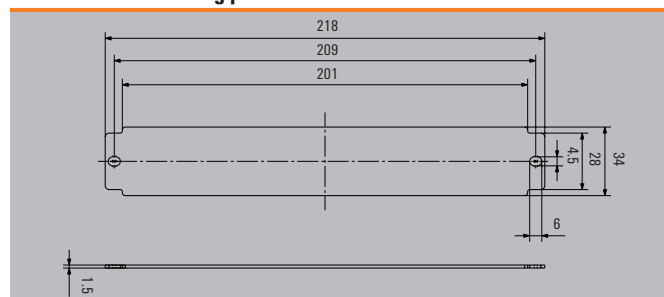
Guide value for max. number of cable entries	A / B	C / D
M12	16	1
M16	6	1
M20	6	1
M25	4	
M32		
M40		
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® POK 121209

Depth **90 mm**

Height / Width / Depth 120 / 122 / 90 mm

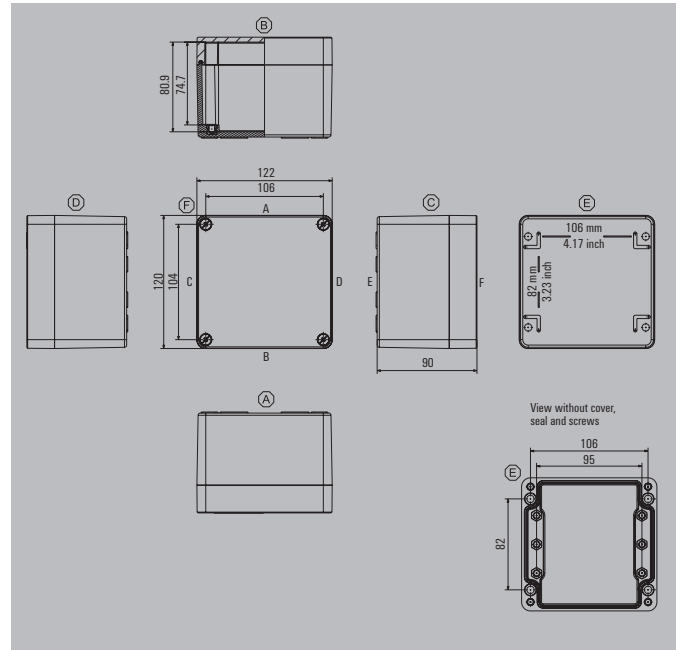
Ordering data

RAL 7001	Standard	Order No.
		1305870000
RAL 9011	Ex enclosure	Order No.
		1306050000
Note The overview page lists the ambient temperatures.		

Accessories

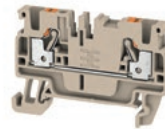
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510590000
Steel sheet, galvanized for applications with earthing plate	1534340000
Fastening screws for mounting plates	0642600000
Mounting rails, TS15x5	
Horizontally	8000003890
Brass Earth Continuity Plate	
Brass	1390970000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9510910000
Earthing stud	
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x12
4 mm ²	*	1x10
6 mm ²		1x7
10 mm ²		1x6
16 mm ²		1x5



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail.
 Recommendations for ordering:
 TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal block ZDU or PUSH IN technology A2C
 TS 32 Mounting rail with clamping yoke technology SAK
 TS 15 Mounting rail with clamping yoke technology AKZ
 Order information for rail-mounted terminal blocks, please refer to the online catalogue
 *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

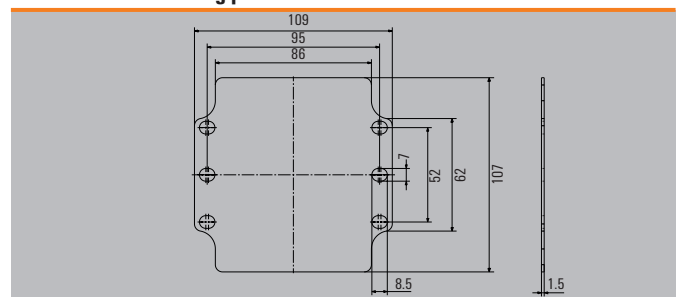
Guide value for max. number of cable entries	A / B	C / D
M12	12	8
M16	6	4
M20	4	3
M25	2	1
M32	1	1
M40		
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth 120 / 220 / 90 mm

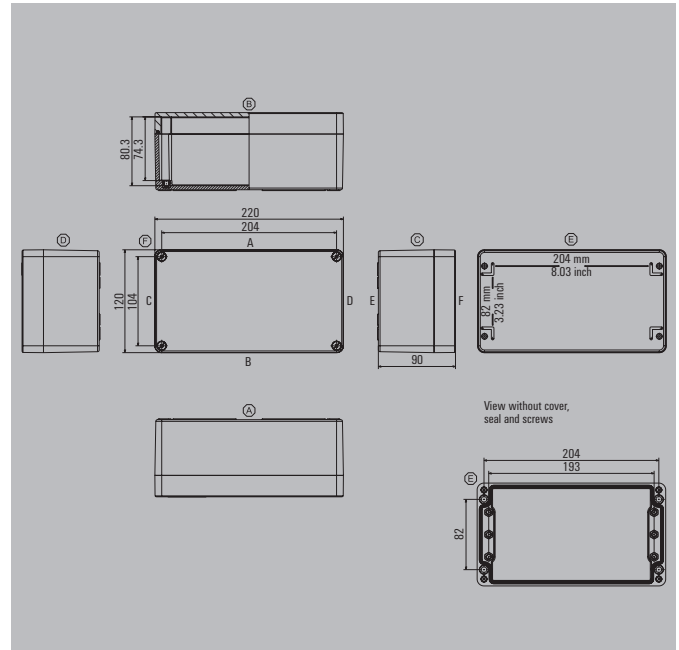
Ordering data

RAL 7001	Standard	Order No.
		1305880000
RAL 9011	Ex enclosure	Order No.
		1306070000
Note The overview page lists the ambient temperatures.		

Accessories

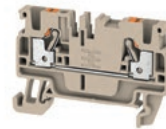
Mounting plates and fastening screws		Order No.
	Steel sheet, zinc plated	9510600000
	Steel sheet, galvanized for applications with earthing plate	1534350000
	Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5		
	Horizontally	8000037568
Brass Earth Continuity Plate		
	Brass	1390980000
External mounting feet, set of 4		
	Stainless steel 1.4301 natural	9510910000
Earthing stud		
	Brass, M10	1277220000
	Stainless steel 1.4404, M10	1283440000
	Brass, M6	1277250000
	Stainless steel 1.4404, M6	1283430000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
	Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x31
4 mm ²	*	1x26
6 mm ²		1x19
10 mm ²		1x15
16 mm ²		1x13



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

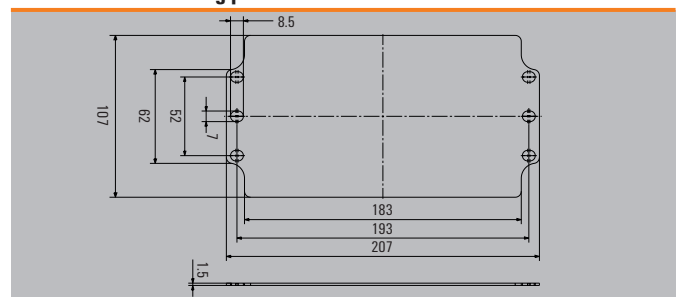
Guide value for max. number of cable entries	A / B	C / D
M12	24	8
M16	14	4
M20	12	3
M25	5	1
M32	4	1
M40	3	
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® POK 161609

Depth

90 mm



Height / Width / Depth 160 / 160 / 90 mm

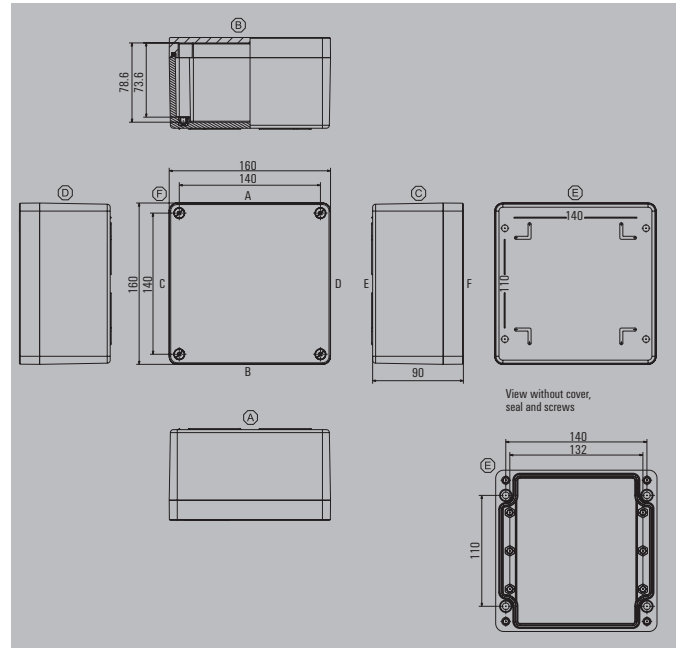
Ordering data

RAL 7001	Standard	Order No.
		1305890000
RAL 9011	Ex enclosure	Order No.
		1306080000
Note The overview page lists the ambient temperatures.		

Accessories

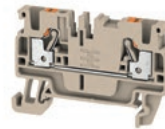
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510610000
Steel sheet, galvanized for applications with earthing plate	1534360000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003908
Brass Earth Continuity Plate	Order No.
Brass	1390990000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x17
4 mm ²	*	1x14
6 mm ²		1x11
10 mm ²		1x9
16 mm ²		1x7



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

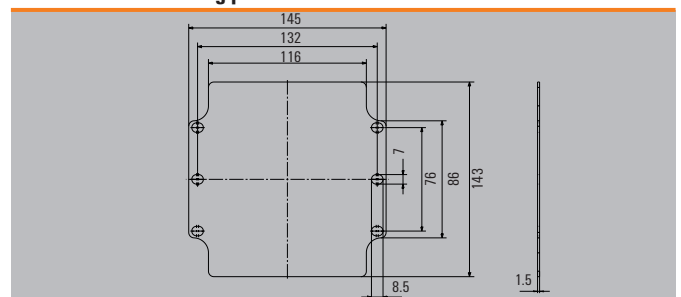
Guide value for max. number of cable entries	A / B	C / D
M12	15	11
M16	12	6
M20	6	4
M25	3	2
M32	2	2
M40	2	1
M50		
M63		

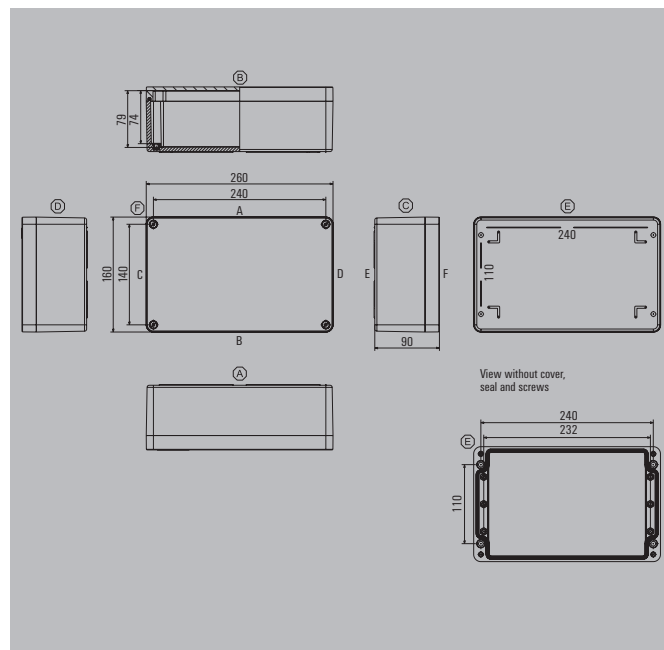


Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth 160 / 260 / 90 mm

Ordering data

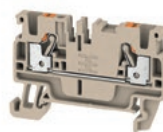
RAL 7001	Standard	Order No.
		1305900000
RAL 9011	Ex enclosure	Order No.
		1306090000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510620000
Steel sheet, galvanized for applications with earthing plate	1534370000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003909
Brass Earth Continuity Plate	Order No.
Brass	1391000000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x36
4 mm ²	*	1x30
6 mm ²		1x23
10 mm ²		1x16
16 mm ²		1x16



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

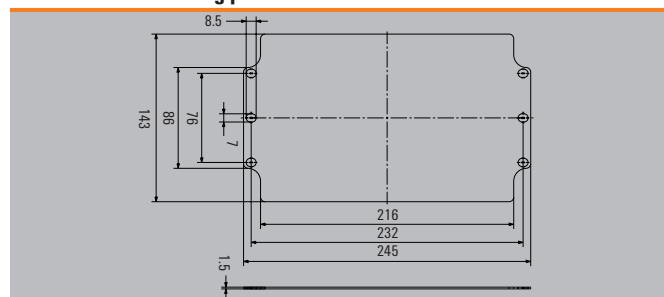
Guide value for max. number of cable entries	A / B	C / D
M12	30	11
M16	24	6
M20	14	4
M25	5	2
M32	4	2
M40	3	1
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

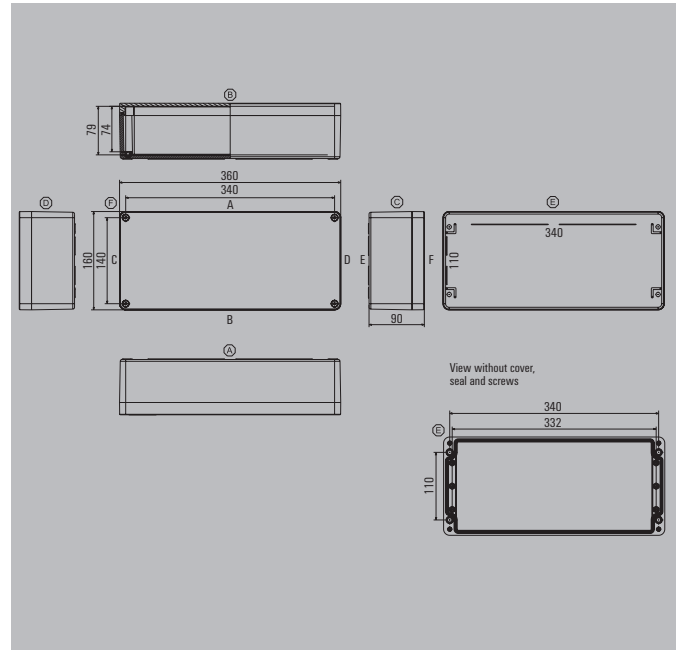
Dimensions of mounting plate



Note

Klippon® POK 163609

Depth 90 mm



Height / Width / Depth 160 / 360 / 90 mm

Ordering data

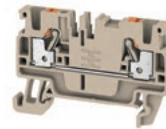
RAL 7001	Standard	Order No.
		1305910000
RAL 9011	Ex enclosure	Order No.
		1306100000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510630000
Steel sheet, galvanized for applications with earthing plate	1534380000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003910
Brass Earth Continuity Plate	Order No.
Brass	1391010000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x56
4 mm ²	*	1x47
6 mm ²		1x36
10 mm ²		1x29
16 mm ²		1x24



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

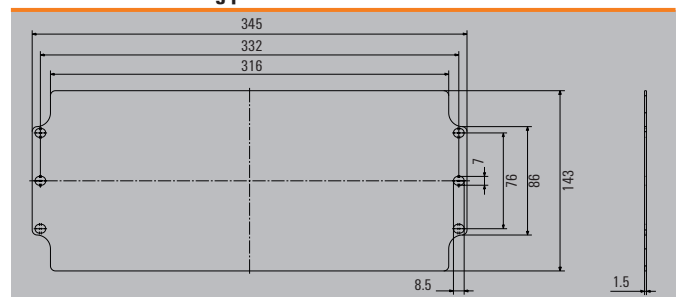
Guide value for max. number of cable entries	A / B	C / D
M12	45	11
M16	36	6
M20	20	4
M25	8	2
M32	6	2
M40	5	1
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Note



Height / Width / Depth 160 / 560 / 90 mm

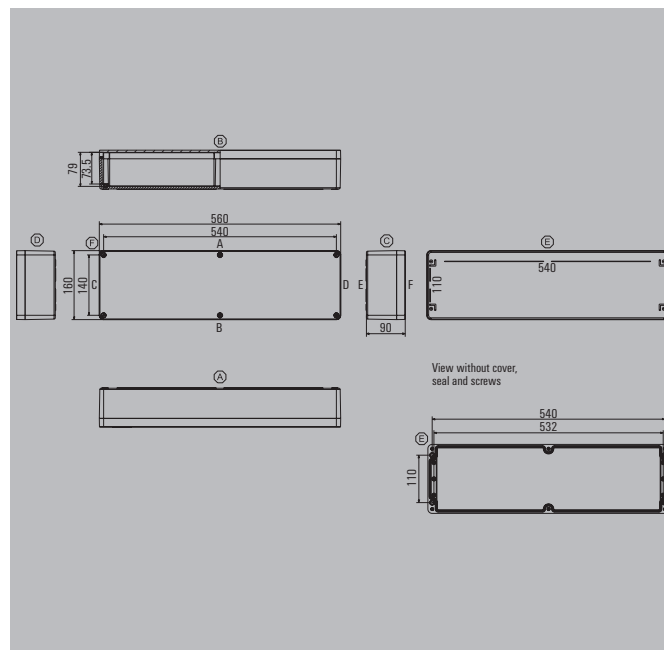
Ordering data

RAL 7001	Standard	Order No.
		1305920000
RAL 9011	Ex enclosure	Order No.
		1306110000
Note The overview page lists the ambient temperatures.		

Accessories

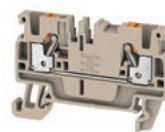
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510710000
Steel sheet, galvanized for applications with earthing plate	1534390000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003911
Brass Earth Continuity Plate	Order No.
Brass	1391020000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	1x94
4 mm ²	*	1x79
6 mm ²		1x60
10 mm ²		1x49
16 mm ²		1x41



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

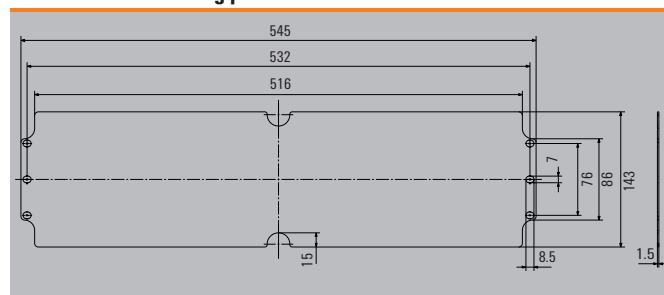
Guide value for max. number of cable entries	A / B	C / D
M12	66	11
M16	58	6
M20	32	4
M25	12	2
M32	10	2
M40	8	1
M50		
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® POK 252512

Depth 120 mm



Height / Width / Depth 250 / 255 / 120 mm

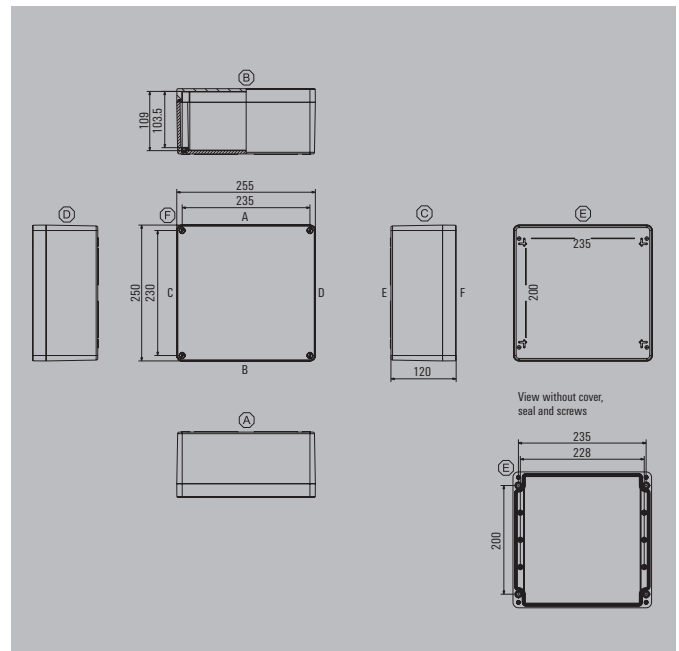
Ordering data

RAL 7001	Standard	Order No.
		1305930000
RAL 9011	Ex enclosure	Order No.
		1306120000
Note The overview page lists the ambient temperatures.		

Accessories

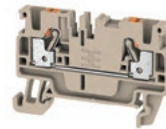
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510640000
Steel sheet, galvanized for applications with earthing plate	1534410000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003912
Brass Earth Continuity Plate	Order No.
Brass	1391030000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm²	*	2x38
4 mm²	*	2x31
6 mm²		2x23
10 mm²		2x19
16 mm²		2x15



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

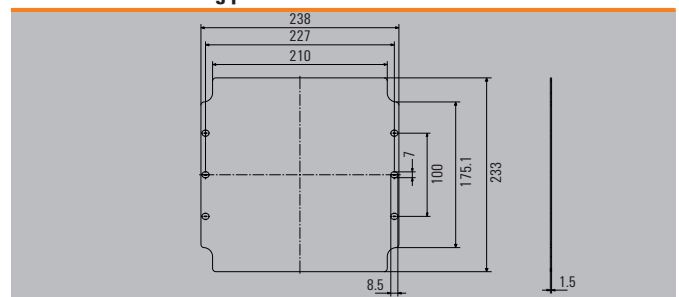
Guide value for max. number of cable entries	A / B	C / D
M12	36	32
M16	32	21
M20	10	15
M25	10	8
M32	8	3
M40	3	3
M50	2	2
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth 250 / 255 / 160.5 mm

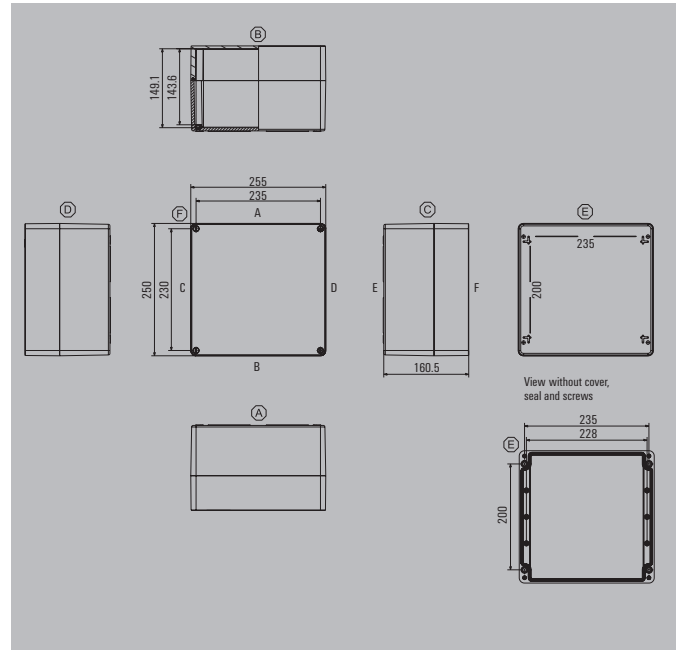
Ordering data

RAL 7001	Standard	Order No.
		1305980000
RAL 9011	Ex enclosure	Order No.
		1306170000
Note The overview page lists the ambient temperatures.		

Accessories

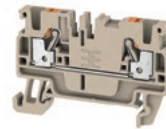
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510640000
Steel sheet, galvanized for applications with earthing plate	1534410000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	
Horizontally	8000003912
Brass Earth Continuity Plate	
Brass	1391030000
External mounting feet, set of 4	
Stainless steel 1.4301 natural	9510910000
Earthing stud	
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	2x38
4 mm ²	*	2x31
6 mm ²		2x23
10 mm ²		2x19
16 mm ²		2x15



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

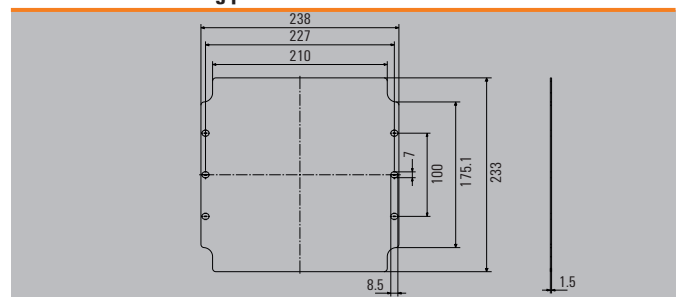
Guide value for max. number of cable entries	A / B	C / D
M12	36	32
M16	32	21
M20	18	15
M25	10	8
M32	8	3
M40	3	3
M50	2	2
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® POK 254012

Depth 120 mm



Height / Width / Depth 250 / 400 / 120 mm

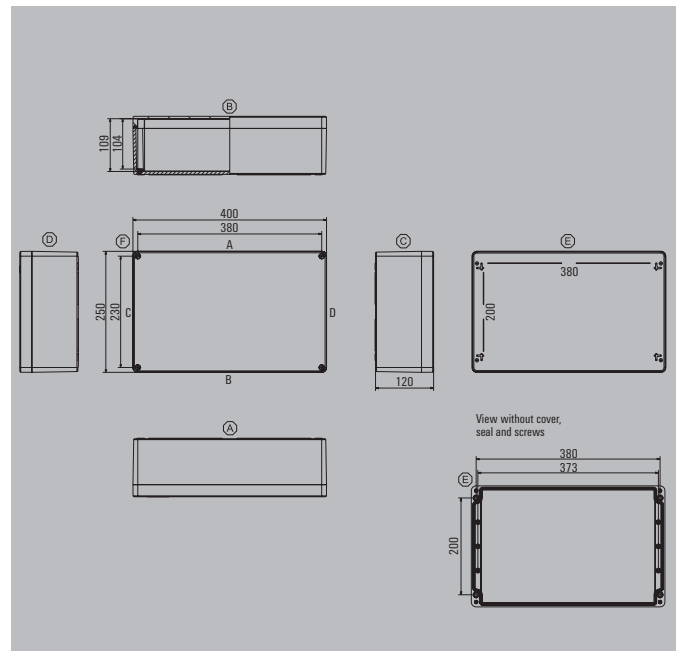
Ordering data

RAL 7001	Standard	Order No.
		1305940000
RAL 9011	Ex enclosure	Order No.
		1306130000
Note The overview page lists the ambient temperatures.		

Accessories

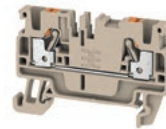
Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510650000
Steel sheet, galvanized for applications with earthing plate	1534420000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003913
Brass Earth Continuity Plate	Order No.
Brass	1391040000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	2x67
4 mm ²	*	2x55
6 mm ²		2x41
10 mm ²		2x33
16 mm ²		2x27



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

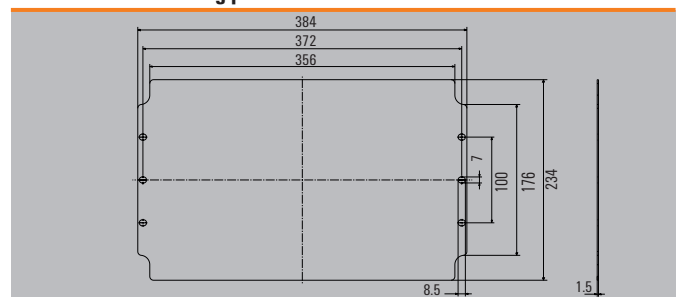
Guide value for max. number of cable entries	A / B	C / D
M12	62	32
M16	54	21
M20	33	15
M25	18	8
M32	14	3
M40	6	3
M50	4	2
M63		

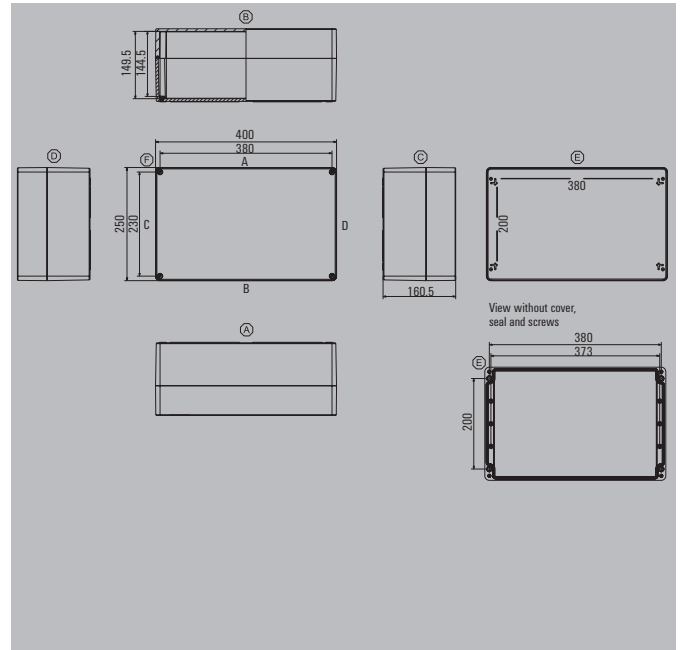


Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





Height / Width / Depth	250 / 400 / 160.5 mm
------------------------	----------------------

Ordering data

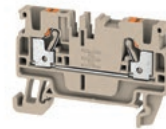
RAL 7001	Standard	Order No.
		1305990000
RAL 9011	Ex enclosure	Order No.
		1306180000
Note The overview page lists the ambient temperatures.		

Accessories

Mounting plates and fastening screws	Order No.
Steel sheet, zinc plated	9510650000
Steel sheet, galvanized for applications with earthing plate	1534420000
Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5	Order No.
Horizontally	8000003913
Brass Earth Continuity Plate	Order No.
Brass	1391040000
External mounting feet, set of 4	Order No.
Stainless steel 1.4301 natural	9510910000
Earthing stud	Order No.
Brass, M10	1277220000
Stainless steel 1.4404, M10	1283440000
Brass, M6	1277250000
Stainless steel 1.4404, M6	1283430000
Pressure compensation elements	Order No.
Polyamide 6, M12	1868570000
Stainless steel 1.4305, M12	1868550000
Stainless steel 1.4404, M20 for Ex applications	2519570000

Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	2x67
4 mm ²	*	2x55
6 mm ²		2x41
10 mm ²		2x33
16 mm ²		2x27



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

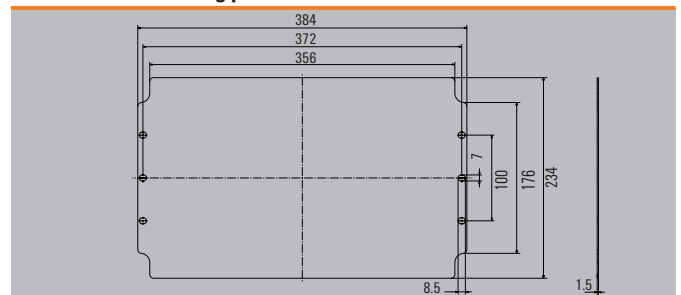
Guide value for max. number of cable entries	A / B	C / D
M12	62	32
M16	54	21
M20	33	15
M25	18	8
M32	14	3
M40	6	3
M50	4	2
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Note

Klippon® POK 256012

Depth 120 mm



Height / Width / Depth 250 / 600 / 120 mm

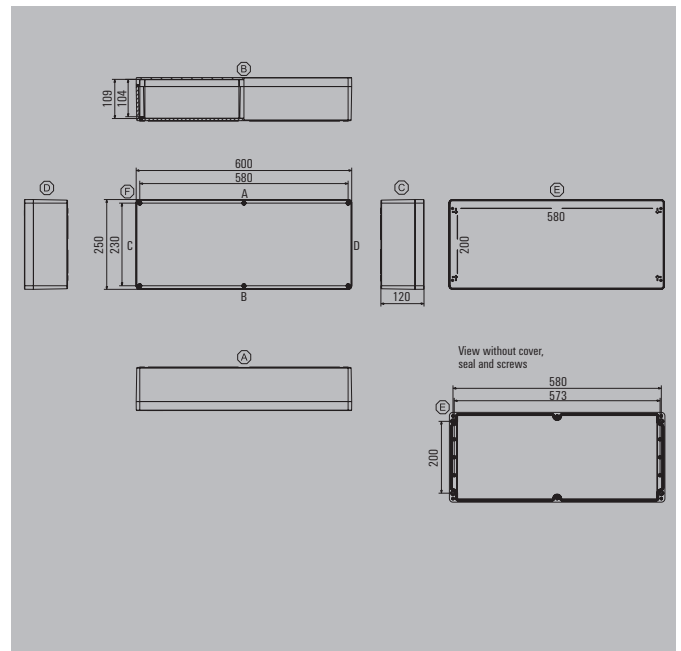
Ordering data

RAL 7001	Standard	Order No.
		1305950000
RAL 9011	Ex enclosure	Order No.
		1306140000
Note The overview page lists the ambient temperatures.		

Accessories

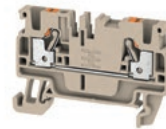
Mounting plates and fastening screws		Order No.
	Steel sheet, zinc plated	9510660000
	Steel sheet, galvanized for applications with earthing plate	1534430000
	Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5		
	Horizontally	8000003914
Brass Earth Continuity Plate		
	Brass	1391050000
External mounting feet, set of 4		
	Stainless steel 1.4301 natural	9510910000
Earthing stud		
	Brass, M10	1277220000
	Stainless steel 1.4404, M10	1283440000
	Brass, M6	1277250000
	Stainless steel 1.4404, M6	1283430000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
	Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	2x107
4 mm ²	*	2x89
6 mm ²		2x66
10 mm ²		2x53
16 mm ²		2x44



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

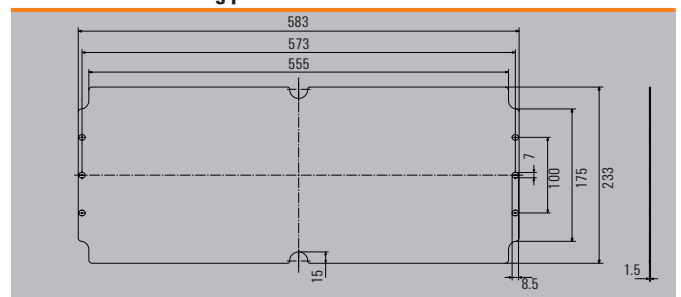
Guide value for max. number of cable entries	A / B	C / D
M12	96	32
M16	80	21
M20	24	15
M25	20	8
M32	20	3
M40	8	3
M50	6	2
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate





405 / 400 / 120 mm

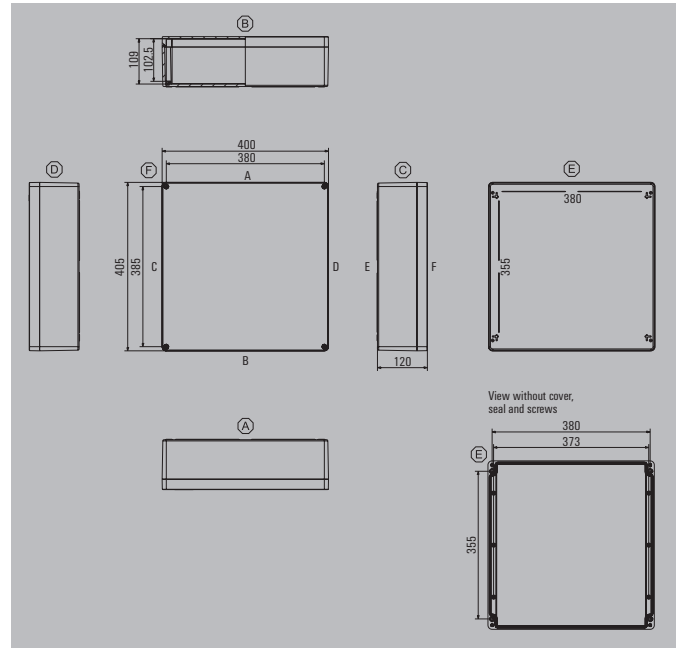
Ordering data

RAL 7001	Standard	Order No.
		1305970000
RAL 9011	Ex enclosure	Order No.
		1306150000
Note The overview page lists the ambient temperatures.		

Accessories

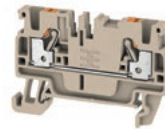
Mounting plates and fastening screws		Order No.
	Steel sheet, zinc plated	9510670000
	Steel sheet, galvanized for applications with earthing plate	1534440000
	Fastening screws for mounting plates	0642600000
Mounting rails, TS35x7.5		
	Horizontally	8000003913
Brass Earth Continuity Plate		
	Brass	1391070000
External mounting feet, set of 4		
	Stainless steel 1.4301 natural	9510910000
Earthing stud		
	Brass, M10	1277220000
	Stainless steel 1.4404, M10	1283440000
	Brass, M6	1277250000
	Stainless steel 1.4404, M6	1283430000
Pressure compensation elements		
	Polyamide 6, M12	1868570000
	Stainless steel 1.4305, M12	1868550000
	Stainless steel 1.4404, M20 for Ex applications	2519570000

Note



Guide value for max. number of terminals (industry)

Assembly with terminal	vertical	horizontal
2.5 mm ²	*	3x67
4 mm ²	*	3x55
6 mm ²		3x41
10 mm ²		3x33
16 mm ²		3x27



Note

The assembly with terminal rails is designed for direct mounting. The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail. Recommendations for ordering: TS 35 Mounting rail with clamping yoke technology WDU, spring-cage terminal ZDU or PUSH IN technology AZC. Order information for rail-mounted terminal blocks, please refer to the online catalogue. *There are no specified mounting options available for vertical mounting in the enclosure.

Guide value for max. number of cable entries

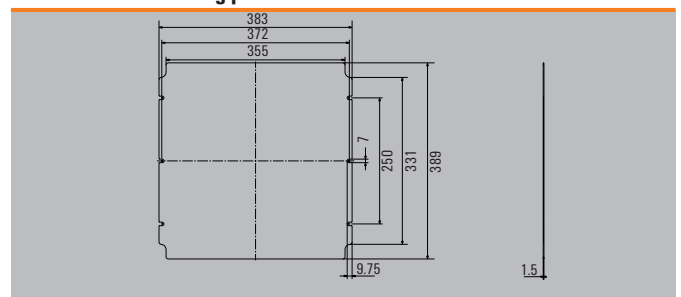
Guide value for max. number of cable entries	A / B	C / D
M12	62	60
M16	54	39
M20	33	30
M25	18	18
M32	14	7
M40	6	5
M50	4	4
M63		



Note

** Our IP 68 plastic cable glands are used as the reference for these guideline values.

Dimensions of mounting plate



Klippon® Protect Terminal Boxes – Product overview: Polyester enclosure

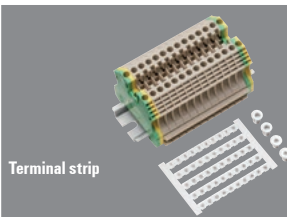
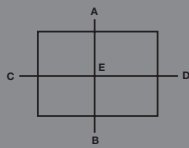
Use the product overview to find the right solution for you! Combine your own industrial version consisting of an enclosure, with or without threaded holes, a suitable mounting rail or pre-fitted terminal strips. The compatible components are always shown in a row.

Klippon® Protect offers you approved Terminal Boxes with for use in explosive areas can be found in the last column. They come with threaded holes and are already equipped with a terminal strip.

Polyester enclosure

Empty enclosure without threaded holes		Mounting rail (TS) Mounting plate (MOPL)						
Dimensions of the enclosure height x width x depth mm	Enclosure type	Order No.	Qty.	Type	Length mm	Rail mounting slot dimensions mm	Order No.	Qty.
Polyester, RAL 7001								
75 x 80 x 55	Klippon® 080806	1305810000	1	TS 15	68	4.5 x 20	1928060000	1
75 x 110 x 56	Klippon® 081106	1305820000	1	TS 15	98	4.5 x 20	1928070000	1
75 x 160 x 56	Klippon® 081606	1305830000	1	TS 15	147	4.5 x 20	1928080000	1
120 x 122 x 90	Klippon® 121209	1305870000	1	TS 35	105	6.3 x 20	1910070000	1
160 x 160 x 90	Klippon® 161609	1305890000	1	TS 35	140	6.3 x 20	1910100000	1

¹⁾ Multi-pole terminal blocks (block terminals BK 4, BK 6 or BK 12) can be directly fitted
²⁾ Space for further threaded holes up to M32


Empty enclosure
with threaded holes


Terminal strip


Ex protected
Terminal Boxes

Threaded hole Side A	Threaded hole Side B	Order No.	Qty.	Connection technology	Cross- section mm ²	Number of DU*	Number of PE*	Order No.	Qty.	Order No.
----------------------------	----------------------------	-----------	------	-----------------------	--------------------------------------	------------------	------------------	-----------	------	-----------

2x M16	2x M16	8000004160	1	Screw connection		4	4	0	8000004365 ¹⁾	1	8000004222
2x M16	2x M16			Screw connection		4	6	2	8000004144	1	8000004223
2x M20	2x M20	8000004161	1	Screw connection		4	6	0	8000004366 ¹⁾	1	8000004224
2x M20	2x M20			Screw connection		4	10	2	8000004145	1	8000004225
4x M20	4x M20	8000004162	1	Screw connection		4	12	0	8000004367 ¹⁾	1	8000004226
4x M20	4x M20			Screw connection		4	18	2	8000004146	1	8000004228
3x M20	3x M20	8000003448	1	Screw connection		4	12	2	8000003444	1	8000003593
3x M20	3x M20									1	8000003594
4x M20	4x M20	8000004164 ²⁾	1	Screw connection		4	16	2	8000004142	1	8000004229
4x M20	4x M20			Tension clamp connection		2.5	19	2	8000004143	1	8000004230

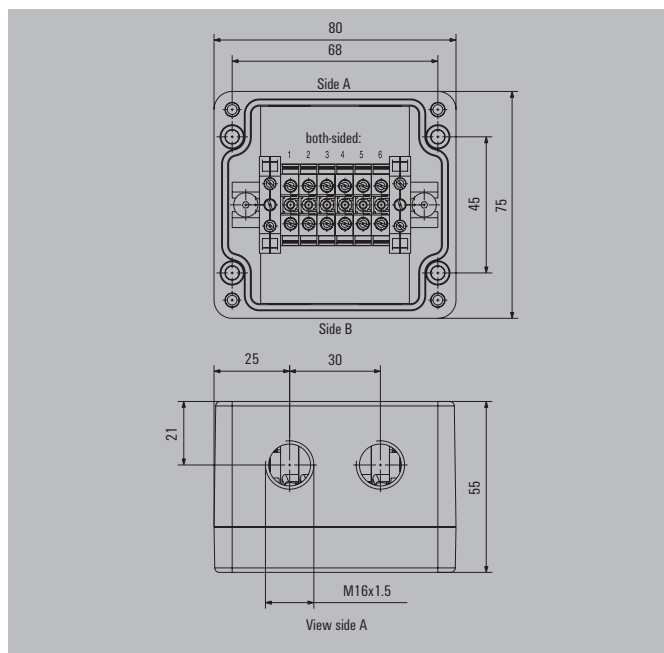
suitable for the enclosures of the respective line
*DU = feed-through terminals, PE = PE terminals

Ex enclosure with an
external earthing connection,
holes and strip terminals in
each row



Height / Width / Depth

75 / 80 / 55 mm



Accessories

Cable glands		Order No.
	VG M16 EXE 5-8 SI7J G4	2722080000
	VG M16 EXE 6-10 SI7J G4	2722090000
Stopping plugs		Order No.
	VP M16 EX SI 7J	2066720000

Empty enclosure with tapped holes

Drill holes side A	Drill holes side B	Order No.
2 x M16x1.5	2 x M16x1.5	8000004160



Note

Note

Terminal block, suitable for empty enclosure

Type	Type of connection	Conductor can be clamped	Rated cross-section	No. of DU*	No. of PE*	Order No.
	BK 4/E	Screw connection	Solid / stranded	4	0	8000004365
		Flexible / flexible with wire-end ferrule	0.5...4 mm² / 0.5...4 mm²			
AKZ 4	Screw connection	Solid / stranded	0.5...6 mm² / 1.5...4 mm²	6	2	8000004144
		Flexible / flexible with wire-end ferrule	0.5...4 mm² / 0.5...2.5 mm²			

Note

Markers numbered 1-50 (horizontal text) and mounting screws are included in the delivery.
*DU = feed-through terminals, PE = PE terminals

Distribution box with ATEX II 2GD T85°C Ex e II T6

Drill holes side A	Drill holes side B	No. of DU*	No. of PE*	Order No.
2 x M16x1.5	2 x M16x1.5	6	2	8000004223
2 x M16x1.5	2 x M16x1.5	6	2	8000004222



Note

Enclosures are delivered in RAL 9011.
*DU = feed-through terminals, PE = PE terminals

Terminal rail / mounting plate set

Product type	Type	Length	Order No.
Rail	TS15 68 Klippon POK1 CSS	68 mm	1928060000



Note

Klippon® POK 081106

56 mm

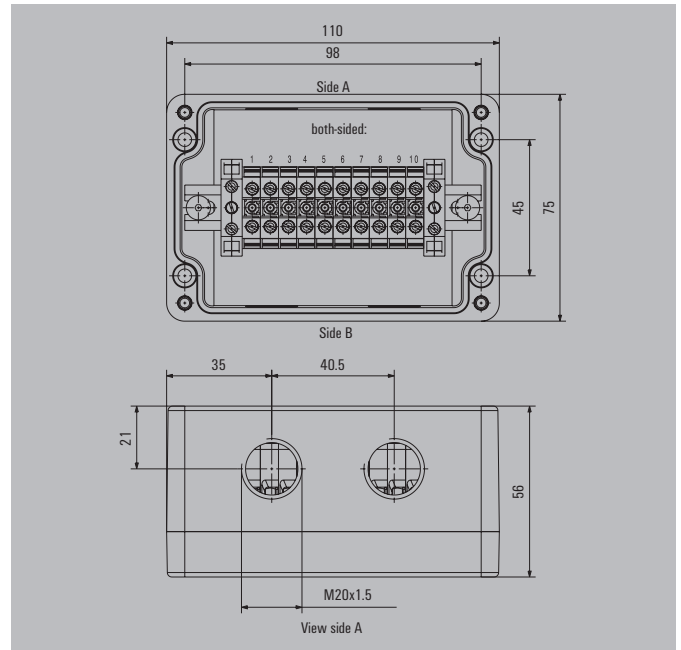
Enclosures

C



Height / Width / Depth

75 / 110 / 56 mm



Empty enclosure with tapped holes

Drill holes side A	Drill holes side B	Order No.
2 x M20x1.5	2 x M20x1.5	8000004161



Note

Accessories

Cable glands	Order No.
VG M20 EXE 7-13 SI7J G4	2722110000
VG M20 EXE 11-14 SI7J G4	2722120000
Stopping plugs	Order No.
VP M20 EX SI 7J	2066730000
Gauge rings	Order No.
ADAP EX M20-M16	1737560000



Note

Terminal block, suitable for empty enclosure

Type	Type of connection	Conductor can be clamped	Rated cross-section	No. of DU*	No. of PE*	Order No.
BK 6/E	Screw connection	Solid / stranded	0.5...4 mm ² / 1.5...4 mm ²	6	0	8000004366
AKZ 4	Screw connection	Solid / stranded	0.5...6 mm ² / 1.5...4 mm ²	10	2	8000004145
		Flexible / flexible with wire-end ferrule	0.5...4 mm ² / 0.5...2.5 mm ²			



Note

Markers numbered 1-50 (horizontal text) and mounting screws are included in the delivery.
*DU = feed-through terminals, PE = PE terminals

Distribution box with ATEX II 2GD T85°C Ex e II T6

Drill holes side A	Drill holes side B	No. of DU*	No. of PE*	Order No.
2 x M20x1.5	2 x M20x1.5	10	2	8000004225
2 x M20x1.5	2 x M20x1.5	6	0	8000004224



Note

Enclosures are delivered in RAL 9011.
*DU = feed-through terminals, PE = PE terminals

Terminal rail / mounting plate set

Product type	Type	Length	Order No.
Rail	TS15 98 Klippon POK2 CSS	98 mm	1928070000

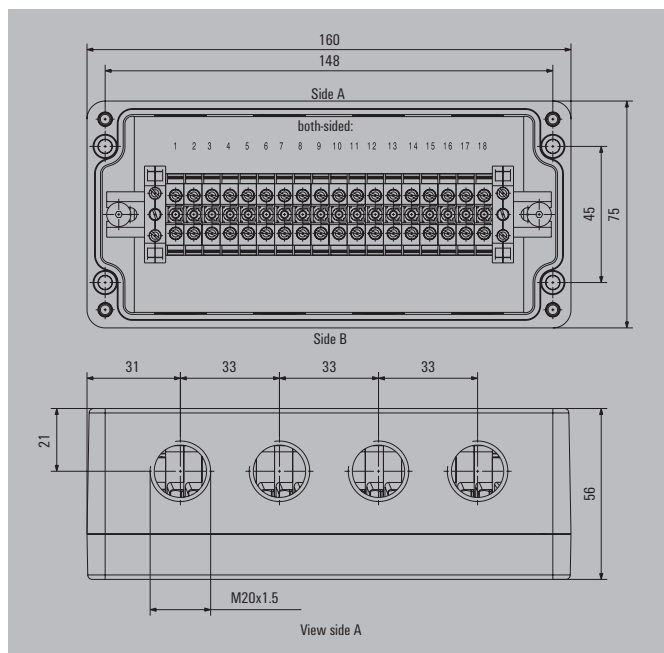


Note



Height / Width / Depth

75 / 160 / 56 mm



Empty enclosure with tapped holes

Drill holes side A	Drill holes side B	Order No.
4 x M20x1.5	4 x M20x1.5	8000004162



Note

Terminal block, suitable for empty enclosure

Type	Type of connection	Conductor can be clamped	Rated cross-section	No. of DU*	No. of PE*	Order No.
BK 12/E	Screw connection	Solid / stranded	0.5...4 mm ² / 1.5...4 mm ²	12	0	8000004367
AKZ 4	Screw connection	Flexible / flexible with wire-end ferrule	0.5...4 mm ² / 0.5...4 mm ²			
		Solid / stranded	0.5...6 mm ² / 1.5...4 mm ²	18	2	8000004146
		Flexible / flexible with wire-end ferrule	0.5...4 mm ² / 0.5...2.5 mm ²			



Note

Markers numbered 1-50 (horizontal text) and mounting screws are included in the delivery.
*DU = feed-through terminals, PE = PE terminals

Distribution box with ATEX II 2GD T85°C Ex e II T6

Drill holes side A	Drill holes side B	No. of DU*	No. of PE*	Order No.
4 x M20x1.5	4 x M20x1.5	18	2	8000004228
4 x M20x1.5	4 x M20x1.5	12	0	8000004226



Note

Enclosures are delivered in RAL 9011.
*DU = feed-through terminals, PE = PE terminals

Accessories

Cable glands	Order No.
VG M20 EXE 7-13 SI7J G4	2722110000
VG M20 EXE 11-14 SI7J G4	2722120000
Stopping plugs	Order No.
VP M20 EX SI 7J	2066730000
Gauge rings	Order No.
ADAP EX M20-M16	1737560000



Note

Terminal rail / mounting plate set

Product type	Type	Length	Order No.
Rail	TS15 147 Klippon POK3 CSS	147 mm	1928080000



Note

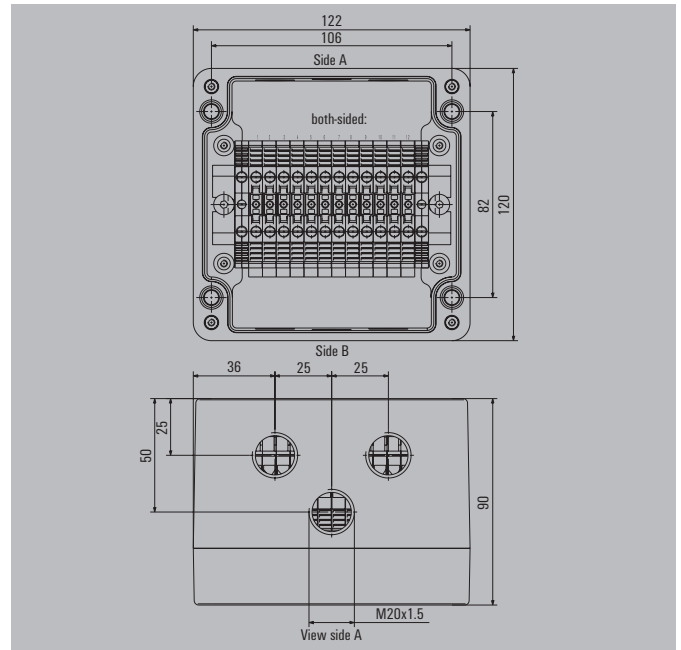
Klippon® POK 121209

90 mm



Height / Width / Depth

120 / 122 / 90 mm



Empty enclosure with tapped holes

Drill holes side A	Drill holes side B	Order No.
3 x M20x1.5	3 x M20x1.5	8000003448



Note

Terminal block, suitable for empty enclosure

Type	Type of connection	Conductor can be clamped	Rated cross-section	No. of DU*	No. of PE*	Order No.
WDU 4	Screw connection	Solid/stranded	0.5...6 mm ² / 1.5...6 mm ²	12	2	8000003444
		Flexible / flexible with wire-end ferrule	0.5...6 mm ² / 0.5...4 mm ²			



Note

Markers numbered 1-50 (horizontal text) and mounting screws are included in the delivery.
*DU = feed-through terminals, PE = PE terminals

Distribution box with ATEX II 2GD T85°C Ex e II T6

Drill holes side A	Drill holes side B	No. of DU*	No. of PE*	Order No.
3 x M20x1.5	3 x M20x1.5	12	2	8000003593
3 x M20x1.5	3 x M20x1.5	9	2	8000003594



Note

Enclosures are delivered in RAL 9011.
*DU = feed-through terminals, PE = PE terminals

Accessories

Cable glands	Order No.
VG M20 EXE 7-13 SI7J G4	2722110000
VG M20 EXE 11-14 SI7J G4	2722120000
Stopping plugs	Order No.
VP M20 EX SI 7J	2066730000
Gauge rings	Order No.
ADAP EX M20-M16	1737560000

Note

Terminal rail / mounting plate set

Product type	Type	Length	Order No.
Rail	TS35 105 Klippon K41/POK4	105 mm	1910070000



Note

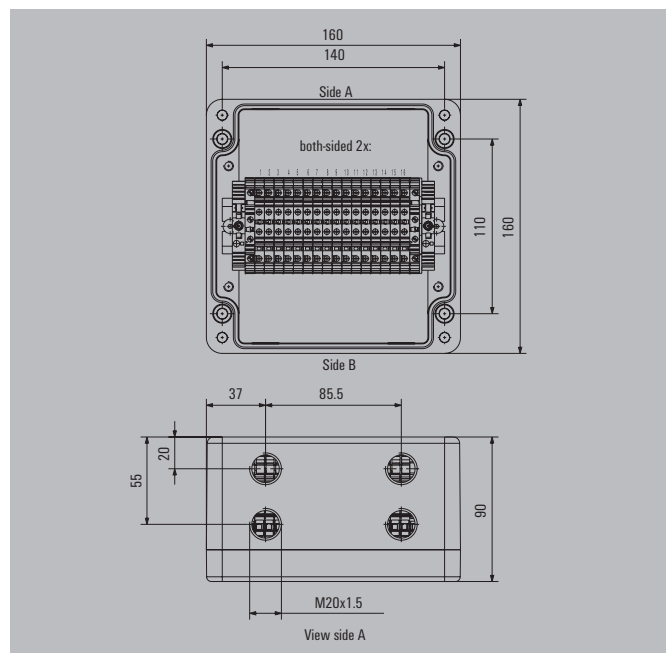
Klippon® POK 161609

90 mm



Height / Width / Depth

160 / 160 / 90 mm



Empty enclosure with tapped holes

Drill holes side A	Drill holes side B	Order No.
4 x M20x1.5	4 x M20x1.5	8000004164



Note

Terminal block, suitable for empty enclosure

Type	Type of connection	Conductor can be clamped	Rated cross-section	No. of DU*	No. of PE*	Order No.
ZDK 2.5	Tension-clamp connection	Double-level terminal	0.5...2.5 mm² / ... 0.5...2.5 mm² / 0.5...2.5 mm²	19	2	8000004143
WDK 4N	Screw connection	Solid/stranded Flexible / flexible with wire-end ferrule	0.5...6 mm² / 1.5...6 mm² 0.5...4 mm² / 0.5...4 mm²	16	2	8000004142

Note

Markers numbered 1-50 (horizontal text) and mounting screws are included in the delivery.
*DU = feed-through terminals, PE = PE terminals

Distribution box with ATEX II 2GD T85°C Ex e II T6

Drill holes side A	Drill holes side B	No. of DU*	No. of PE*	Order No.
4 x M20x1.5	4 x M20x1.5	16	2	8000004229
4 x M20x1.5	4 x M20x1.5	19	2	8000004230



Note

Enclosures are delivered in RAL 9011.
*DU = feed-through terminals, PE = PE terminals

Accessories

Cable glands	Order No.
VG M20 EXE 7-13 SI7J G4	2722110000
VG M20 EXE 11-14 SI7J G4	2722120000
Stopping plugs	Order No.
VP M20 EX SI 7J	2066730000
Gauge rings	Order No.
ADAP EX M20-M16	1737560000

Note

Terminal rail / mounting plate set

Product type	Type	Length	Order No.
Rail	TS35/140 Klippon K52 POK51	140 mm	1910100000



Note

Safely control work processes in hazardous areas on site

With certified enclosure solutions with control and display elements

Harsh industrial environments and hazardous areas, such as in the oil and gas industry, place extreme demands on the safety, the robustness and quality of products and devices.

We meet these challenges with the Klippon® Control Station, the addition to our range of customised enclosure solutions. More than 50 years of expertise have made us market leader in this area with global competence centres. The basis of our enclosure solutions is provided by the usual Weidmüller quality and comprehensive approvals for explosion hazard areas. Based on this, our sturdy “on-site control station” is available in two standard sizes and with up to four control and display elements and provides a flexible solution to meet your specific needs.

Order your distributor enclosure as well as control and signaling units from a single source and from one enclosure design – for reliable security and reduced storage costs for maintenance and repair operations.

Your special advantages: **Ideal for urgent service calls**

We have prepared modules of the proven Klippon® enclosures POK available for you for further processing. This means we manufacture a control solution suitable for your application at short notice.



Predestined for emergency shutdown applications:
Klippon® Control Stations score when it comes to the safe shutdown of plant sections, such as in the process industry

Customised assembly

In addition to standard types from stock, you can obtain enclosure solutions from us that are completely assembled and equipped according to customer requirements.



Project solutions from a single source

Obtain command/signaling units and distribution and control boxes as a complete solution – tailored to the individual requirements of your projects in hazardous areas.



A variety of sizes and materials

Enclosures in stainless steel, aluminium or polyester are available for different environmental conditions. Depending on the size of the enclosure, it provides space for the integration of up to four control and display elements.

International certificates

The Klippon® Control Station is tested and certified among others according to ATEX and IECEx.



Robust solutions for demanding environments

Klippon® Protect provides high-quality polyester enclosures

Our enclosures made of high-quality polyester (Klippon® POK) are the ideal solutions for demanding electrical connectivity applications. They are particularly suitable for applications that demand corrosion resistance, impact resistance and a high protection class. Suitable for use within hazardous environments.

Additional features:

- Extremely robust, weather-proof and impact-resistant up to 7 joules
- Simple fastening of mounting rails
- High ingress protection IP66



Technical data

Material
Surface finish
Colour
IP protection class
Ambient temperature
Seal material of enclosure
Seal material of command and signalling units
Flammability rating
Impact resistance IK
Cable gland material
Cable gland clamping area min. – max. in mm
M20
M25
Max. rated cross-section
Max. operating voltage
with integrated illuminated pushbutton or lighting module
Maximum operating current at 40 °C ambient temperature
1.5 mm ² – T6
1.5 mm ² – T5
2.5 mm ² – T6
Maximum operating current at 55 °C ambient temperature
1.5 mm ² – T4
1.5 mm ² – T5
2.5 mm ² – T5
Temperature class
Type of mounting
Earthing inside
Lid attachment
Lid screw torque
Earthing torque
Earthing outside
Approvals
Marking
Mounting feet

Polyester enclosures

Glass-fibre reinforced polyester with graphite mixture
Natural, black
Similar to RAL 9011
IP 54; IP 66
-55 °C to 55 °C
Silicone (VMQ)
EPDM
-
7 joules in acc. with IEC60079-0 4 joules in acc. with IEC60079-0 with integrated illuminated pushbutton or light module
Polyamide
Available on request
6–12 mm
2.5 mm ²
400 V
250 V
10 A
16 A
16 A
16 A
10 A
16 A
T4, T5, T6
Wall mounting
Earth terminal
Crosshead screws, stainless steel
2.5–3.0 Nm
-
Available on request
IECEx IAT14.0013X
TUEV14ATEX7606X
MARITREG 15.40082.250
2G Ex e d IIC T* Gb
2G Ex ib d [ia] IIC T* Gb
2D Ex tb IIC T80/100 °C Db
9510910000



Number of built-in components				Emergency stop pushbutton	Key switch	Pushbutton		Illuminated pushbutton		Light module		Dimensions with built-in components HxWxD in mm	Designation	Cable gland	Order number	
				red	I – 0 – II	red	green	red	green	red	green					
Polyester	•			1								152x120x128	KLIPPON CS POK 121209-2	VG M25	1537070000	
	•						1					152x120x103	KLIPPON CS POK 121209-2	VG M25	1537080000	
	•				1							152x120x117	KLIPPON CS POK 121209-2	VG M25	1537090000	
	•								1			152x120x105	KLIPPON CS POK 121209-2	VG M25	1537100000	
	•					1	1					152x120x103	KLIPPON CS POK 121209-4	VG M25	1537110000	
	•						1				1	152x120x112	KLIPPON CS POK 121209-4	VG M25	1537120000	
	•			1						1		152x120x128	KLIPPON CS POK 121209-4	VG M25	1537130000	
		•				1	1				1	250x120x112	KLIPPON CS POK 122209-2	VG M25	1537140000	
		•				1	2					250x120x103	KLIPPON CS POK 122209-2	VG M25	1537150000	
		•		1		1	1					250x120x128	KLIPPON CS POK 122209-2	VG M25	1537170000	
		•				1	1			1	1	250x120x112	KLIPPON CS POK 122209-4	VG M25	1537180000	

Klippon® CS POK 121209-2



Klippon® CS POK 121209-2



Technical data

Enclosure	
Dimensions with installation (HxBxD)	
Material	
General characteristics	
Surface finish / Colour	
Protection class	
Ambient temperature	
Impact resistance	
UL 94 flammability rating	
Enclosure seal material	
Seal material of operating and display elements	
Type of mounting	
External earth	
Lid attachment	
Torque for lid screws	
Electrical properties*	
Wire connection cross section, finely stranded, max.	
Operating voltage, max.	
Temperature class	
Enclosure assembly	
1 Position in enclosure	
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	
Actuators	
Actuator colour	
Illumination module colour	
Illuminated button actuator colour	
Cable entries	
Drill holes side B	
Cable gland	
Clamping range min. / max.	
Approval and Marking	
Standards	
Certificate No. (IECEX)	
Certificate No. (ATEX)	
Certificate No. (EAC)	
Certificate No. (MARITREG)	
Marking	
Accessories	
Mounting feet	

152 / 120 / 128 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NC contact, positive opening contacts
EMERGENCY STOP pushbutton
red
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

152 / 120 / 103 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
1 NC contact, 1 NO contacts
Pushbutton
green
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Note

Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537070000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537070000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537080000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Klippon® CS POK 121209-2



152 / 120 / 117 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Key-operated switch
1 NC contact, 1 NO contacts
Key-operated switch, 3 switching positions, I - 0 - II, (I + II), latching, Key retractable
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Klippon® CS POK 121209-2



152 / 120 / 105 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Illuminated pushbutton - green
2 NO contacts
Pushbutton
green
green
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Klippon® CS POK 121209-4



152 / 120 / 103 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - red
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537090000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537100000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537110000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS POK 121209-4



Klippon® CS POK 121209-4



Technical data

Enclosure	
Dimensions with installation (HxBxD)	
Material	
General characteristics	
Surface finish / Colour	
Protection class	
Ambient temperature	
Impact resistance	
UL 94 flammability rating	
Enclosure seal material	
Seal material of operating and display elements	
Type of mounting	
External earth	
Lid attachment	
Torque for lid screws	
Electrical properties*	
Wire connection cross section, finely stranded, max.	
Operating voltage, max.	
Temperature class	
Enclosure assembly	
1 Position in enclosure	
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	
Actuators	
Actuator colour	
Illumination module colour	
Illuminated button actuator colour	
Cable entries	
Drill holes side B	
Cable gland	
Clamping range min. / max.	
Approval and Marking	
Standards	
Certificate No. (IECEX)	
Certificate No. (ATEX)	
Certificate No. (EAC)	
Certificate No. (MARITREG)	
Marking	
Accessories	
Mounting feet	

152 / 120 / 112 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Light module - green
Pushbutton - green
1 NC contact, 1 NO contacts
Pushbutton
green
green
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

152 / 120 / 128 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Light module - red
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NC contact, positive opening contacts
EMERGENCY STOP pushbutton
red
red
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Note

Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537120000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537130000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537130000
Note		
*Other temperature classes and connection values on request, or see "Notice to Installer".		

Klippon® CS POK 122209-2



250 / 120 / 112 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Pushbutton - red
Light module - green
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
green
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Klippon® CS POK 122209-2



250 / 120 / 103 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
Pushbutton - red
Pushbutton - green
3 NC contact, 3 NO contacts
Pushbutton
green, red
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Klippon® CS POK 122209-2



250 / 120 / 128 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / graphite black
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC 60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
Pushbutton - red
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NO contacts, 2 NC contact, positive opening contacts
Pushbutton, EMERGENCY STOP pushbutton
green, red
1 x M25
2721990000 - VG M25 EXE 12-17 CR7J G4
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.BE02.B.00173
15.40082.250
II 2 G Ex d e IIC T* Gb
II 2 D Ex tb IIIC T*°C Db
9510910000 - MF POK BIG

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537140000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537150000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537170000

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS POK 122209-4



Technical data

Enclosure	
Dimensions with installation (HxBxD)	250 / 120 / 112 mm
Material	Glass-fibre reinforced polyester with graphite mixture
General characteristics	
Surface finish / Colour	untreated / graphite black
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC 60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - red
2 Position in enclosure	Pushbutton - red
3 Position in enclosure	Light module - green
4 Position in enclosure	Pushbutton - green
Contact design	2 NC contact, 2 NO contacts
Actuators	Pushbutton
Actuator colour	green, red
Illumination module colour	red, green
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	2721990000 - VG M25 EXE 12-17 CR7J G4
Clamping range min. / max.	12 mm / 17 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.BE02.B.00173
Certificate No. (MARITREG)	15.40082.250
Marking	II 2 G Ex d e IIC T* Gb II 2 D Ex tb IIIC T*°C Db
Accessories	
Mounting feet	9510910000 - MF POK BIG

Note

Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 122209-4	1	1537180000

Note

*Other temperature classes and connection values on request, or see "Notice to Installer".

TBF – Large polyester enclosures

The enclosures in the TBF range are made from sturdy glass-fibre reinforced polyester. They offer a universal solution for protection of components such as controllers, measuring instruments, valves and other devices. Suitable applications include photovoltaics and energy distribution.

Key features of this product range include:

- Available in 9 sizes, with grey or transparent lids
- The lid has nylon screws fitted
- Mounting holes are outside the sealed area
- Thread for fitting to terminal rails and mounting plates
- High Ingress Protection (IP 66 and IP 67)

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.



Overview of enclosures

Ordering data

Description	Dimensions in mm	Grey lid	Transparent lid
TBF 19/15	186 x 151 x 140	0360100000	0500500000
TBF 30/19	302 x 186 x 175	0360200000	0500600000
TBF 30/30	302 x 302 x 175	0360300000	0500700000
TBF 37/30	372 x 302 x 175	0360400000	0500800000
TBF 49/30	488 x 302 x 175 / 210	9502800000	9502840000
TBF 56/30	558 x 302 x 175 / 210	9502810000	9502850000
TBF 60/30	603 x 302 x 175 / 210	0360500000	0500900000
TBF 60/37	603 x 372 x 175 / 210	9502820000	9502860000
TBF 60/60	603 x 603 x 175 / 210	9502830000	9502870000

Note

Technical Overview

Features

- Extremely tough and impact resistant thanks to the glass-fibre reinforced polyester - Extremely weather resistant - High IP rating - Approved according to the latest international standards	
Note	We deliver enclosures through our assembly service which are ready to be connected and suitable for every application.

Technical data

	Grey lid	Transparent lid
Enclosure material	Base and lid made of glass-fibre reinforced polyester (GRP)	Base made of glass-fibre reinforced polyester (GRP) Lid is polycarbonate (PC)
Surface finish	grey, similar to RAL 7035	
IP protection class	IP66 and IP67	IP 66
Installation mounting	4 or 6 M4 clamping screws	4 or 6 M4 clamping screws
Enclosure mounting	4 holes of 7 mm diameter or with external fastening lugs, see accessories	4 holes of 7 mm diameter or with external fastening lugs, see accessories
Lid fixing	4, 6 or 8 captive cross-headed nylon screws	4, 6 or 8 captive cross-headed nylon screws
Impact resistance	IK08 to IEC 62208 IK10 to EN/IEC 62262	IK08 to IEC 62208 IK10 to EN/IEC 62262
Gasket material	Polyurethane	Polyurethane
Temperature range	-50 °C...+130 °C (permanent temperature max. 70°C)	-35 °C...+120 °C (permanent temperature max. 70°C)
Flammability characteristics	UL 94 HB	V2
Toxicity	Free from halogens	Free from halogens
Note	For details of power dissipation, please contact your Weidmüller representative.	

TBF – Polyester enclosures



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

External mounting lug, set of 4

Polyamide

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

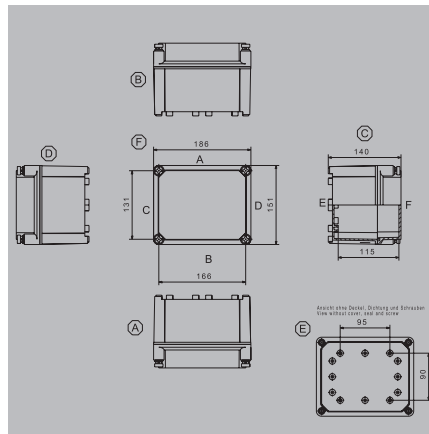
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

TBF 19/15

140 mm



186 / 151 / 140 mm

vertical	horizontal
1x11	1x18
1x9	1x15
1x7	1x7
1x6	1x9
1x4	1x6
1x3	1x5
A / B	C / D
11	11
6	6
2	2
2	2
1	1
1	1

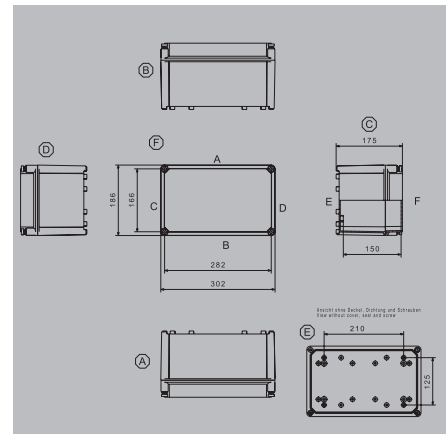
Type	Qty.	Order No.
TBF 19/15/14 7035	1	0360100000
TBF 19/15/14 TRSP	1	0500500000

Type	Qty.	Order No.
MP TBF 19/15	1	9502720000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

TBF 30/19

175 mm



302 / 186 / 175 mm

vertical	horizontal
2x22	1x44
2x18	1x37
2x14	2x14
2x11	1x22
2x8	1x16
2x7	1x14
A / B	C / D
28	53
14	30
11	22
6	10
3	5
3	3
1	3
1	2

Type	Qty.	Order No.
TBF 30/19/18 7035	1	0360200000
TBF 30/19/18 TRSP	1	0500600000

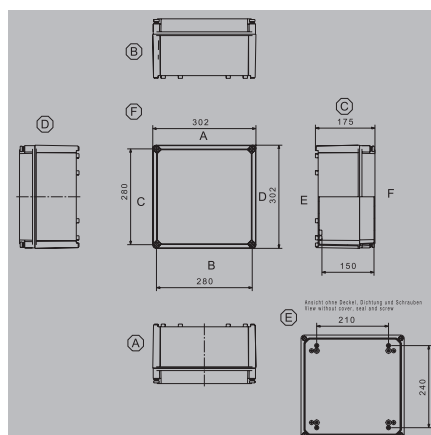
Type	Qty.	Order No.
MP TBF 30/19	1	3018950000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note



TBF 30/30

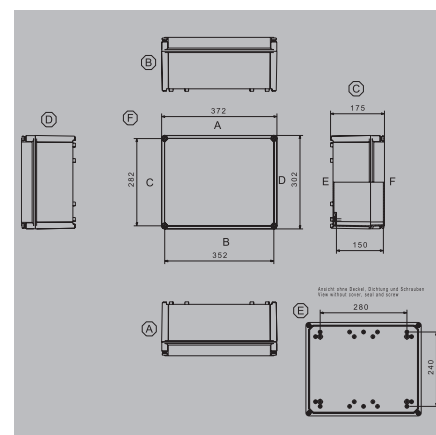
175 mm



302 / 302 / 175 mm

TBF 37/30

175 mm



372 / 302 / 175 mm

Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

vertical	horizontal
2x44	1x44
2x37	1x37
2x28	2x28
2x22	1x22
2x16	1x16
2x14	1x14
A / B	C / D
44	44
24	24
20	20
10	10
4	4
3	3
3	3
2	2

vertical	horizontal
2x57	2x44
2x48	2x37
2x36	2x36
2x29	2x22
2x21	2x16
2x18	2x14
A / B	C / D
44	56
24	30
20	27
10	12
4	5
3	4
3	4
2	3

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Type	Qty.	Order No.
TBF 30/30/18 7035	1	0360300000
TBF 30/30/18 TRSP	1	0500700000

Type	Qty.	Order No.
TBF 37/30/18 7035	1	0360400000
TBF 37/30/18 TRSP	1	0500800000

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

External mounting lug, set of 4

Polyamide

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Type	Qty.	Order No.
MP TBF 30/30	1	9502730000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Type	Qty.	Order No.
MP TBF 37/30	1	9502740000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

TBF – Polyester enclosures



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

External mounting lug, set of 4

Polyamide

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

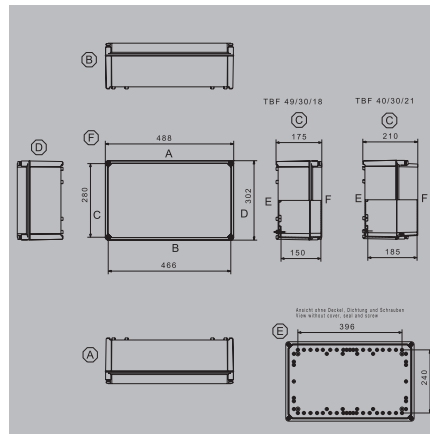
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

TBF 49/30

175 mm



488 / 302 / 175 mm

vertical	horizontal
2x80	3x44
2x67	3x37
2x51	2x51
2x41	3x22
2x29	3x16
2x25	3x14
A / B	C / D
44	42
24	42
20	36
10	18
4	7
3	5
3	5
2	4

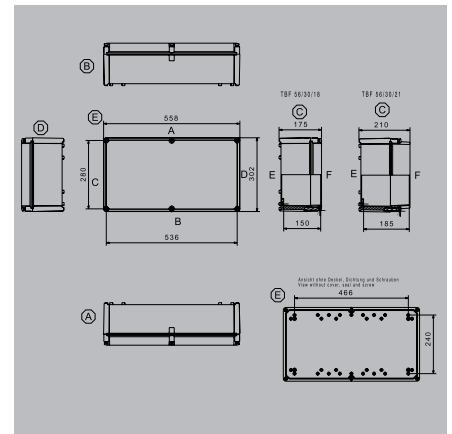
Type	Qty.	Order No.
TBF 49/30/18 7035	1	9502800000
TBF 49/30/21 TRSP	1	9502840000
Grey lid: 130 mm internal height, 175 mm total height Transparent lid: 160 mm internal height, 210 mm total height		

Type	Qty.	Order No.
MP TBF 49/30	1	9500960000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

TBF 56/30

175 mm



558 / 302 / 175 mm

vertical	horizontal
2x94	4x44
2x79	4x37
2x59	2x59
2x48	4x22
2x34	4x16
2x30	4x14
A / B	C / D
44	80
24	46
20	40
10	18
4	8
3	6
3	4
2	4

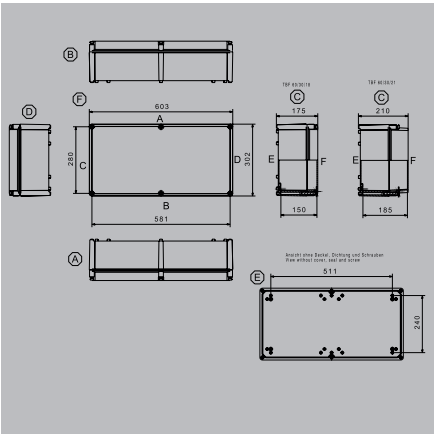
Type	Qty.	Order No.
TBF 56/30/18 7035	1	9502810000
TBF 56/30/21 TRSP	1	9502850000
Grey lid: 130 mm internal height, 175 mm total height Transparent lid: 160 mm internal height, 210 mm total height		

Type	Qty.	Order No.
MP TBF 56/30	1	9500950000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

TBF 60/30

175 mm



Height / Width / Depth

603 / 302 / 175 mm

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

	vertical	horizontal
	5x44	1x101
	5x37	1x85
	5x28	5x28
	5x22	1x51
	5x16	1x37
	5x14	1x32
	A / B	C / D
	44	88
	24	48
	20	40
	10	20
	4	8
	3	6
	3	6
	2	4

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Type	Qty.	Order No.
TBF 60/30/18 7035	1	0360500000
TBF 60/30/21 TRSP	1	0500900000

Grey lid: 130 mm internal height, 175 mm total height
Transparent lid: 160 mm internal height, 210 mm total height

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

External mounting lug, set of 4

Polyamide

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Type	Qty.	Order No.
MP TBF 60/30	1	9502750000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

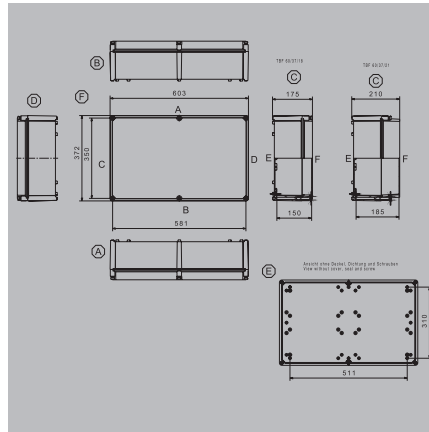
Note

TBF – Polyester enclosures



TBF 60/37

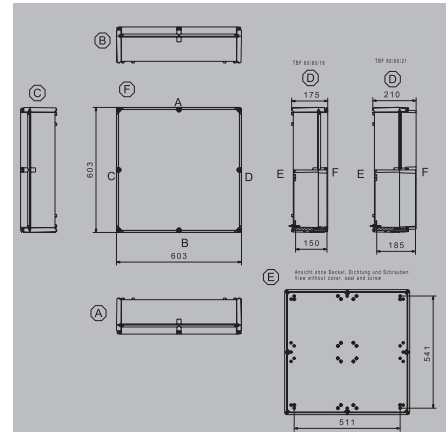
175 mm



603 / 372 / 175 mm

TBF 60/60

175 mm



603 / 605 / 175 mm

Technical data

Assembly with terminal
2.5 mm ²
4 mm ²
6 mm ²
10 mm ²
16 mm ²
35 mm ²
Guide value for max. number of cable entries
M12
M16
M20
M25
M32
M40
M50
M63
M75
Note

vertical	horizontal
5x57	2x101
5x48	2x85
5x36	5x36
5x29	2x51
5x21	2x37
5x18	2x32
A / B	C / D
52	88
30	48
26	40
12	20
5	8
4	6
4	6
3	4

vertical	horizontal
5x101	4x101
5x85	4x85
5x64	5x64
5x51	4x51
5x37	4x37
5x32	4x32
A / B	C / D
88	88
48	48
40	40
20	20
8	8
6	6
6	6
4	4

Ordering data

Enclosure with grey lid
Enclosure with transparent lid
Note

Type	Qty.	Order No.
TBF 60/37/18 7035	1	9502820000
TBF 60/37/21 TRSP	1	9502860000
Grey lid: 130 mm internal height, 175 mm total height Transparent lid: 160 mm internal height, 210 mm total height		

Type	Qty.	Order No.
TBF 60/60/18 7035	1	9502830000
TBF 60/60/21 TRSP	1	9502870000
Grey lid: 130 mm internal height, 175 mm total height Transparent lid: 160 mm internal height, 210 mm total height		

Accessories

Mounting plates and fastening screws
Steel sheet, zinc plated
M4 screw
External mounting lug, set of 4
Polyamide
Earthing stud
Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10
Pressure compensation elements
Polyamide 6, M12
Stainless steel 1.4305, M12

Type	Qty.	Order No.
MP TBF 60/37	1	9502910000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Type	Qty.	Order No.
MP TBF 60/60	1	9502920000
FKSC M4X6 D8/SW2	100	1567480000
MF TBF	1	0360800000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

MPC – Small polycarbonate enclosures

The polycarbonate enclosures of the MPC range are ideal for enclosing electrical, electro-mechanical and pneumatic devices as well as PCBs. The enclosures are used in situations with extreme mechanical and chemical conditions.

The characteristics of the enclosures are:

- Available in 17 sizes, with grey or transparent lids
- Lid fixing screws equipped with sealing holes
- Fixing holes outside the sealed area
- Thread for fitting to terminal rails, mounting plates and PCBs

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.



Overview of enclosures

Ordering data

Description	Dimensions in mm	Grey lid	Transparent lid
MPC 07/12/07	75 x 125 x 75	9535170000	9535180000
MPC 07/12/10	75 x 125 x 100	9535190000	9535200000
MPC 07/12/12	75 x 125 x 120	9535210000	9535220000
MPC 12/12/07	120 x 120 x 75	9535230000	9535240000
MPC 12/12/10	120 x 120 x 100	9535250000	9535260000
MPC 12/12/12	120 x 120 x 120	9535270000	9535280000
MPC 12/17/07	120 x 175 x 75	9535290000	9535300000
MPC 12/17/10	120 x 175 x 100	9535310000	9535320000
MPC 12/17/12	120 x 175 x 120	9535330000	9535340000
MPC 12/17/15	120 x 175 x 150	9535350000	9535360000
MPC 17/17/07	175 x 175 x 75	9535370000	9535380000
MPC 17/17/10	175 x 175 x 100	9535390000	9535400000
MPC 17/17/12	175 x 175 x 120	9535410000	
MPC 17/17/15	175 x 175 x 150	9535430000	9535440000
MPC 17/25/07	175 x 250 x 75	9535450000	
MPC 17/25/10	175 x 250 x 100	9535470000	9535480000
MPC 17/25/15	175 x 250 x 150	9535490000	9535500000

Note

Technical Overview

Features

• High thermal stability thanks to the polycarbonate • Extremely tough and impact resistant thanks to the high fibre-glass content. • Good IP rating, due to use of polyurethane (PUR) gasket material • Approved according to the latest international standards	
Note	We deliver enclosures through our assembly service which are ready to be connected and suitable for every application.

Technical data

	Grey lid	Transparent lid
Enclosure material	Base and lid made of glass-fibre reinforced polycarbonate	Base made of glass-fibre reinforced polycarbonate, ABS lid
Cover	Grey	Transparent
Surface finish	Grey, similar to RAL 7035	Grey, similar to RAL 7035
IP protection class	IP 66, IP 67	IP 66, IP 67
Installation mounting	Self-tapping screws	Self-tapping screws
Enclosure mounting	4 holes (4.5 mm diameter) or external mounting brackets (optional)	4 holes (4.5 mm diameter) or external mounting brackets (optional)
Lid fixing	4 cross-head screws (polyamide)	4 cross-head screws (polyamide)
Gasket material	Polyurethane foam	Polyurethane foam
Temperature range	-50 °C...+100 °C	-40 °C...+60 °C
Impact resistance	IK 08	IK 06
Note	For details of power dissipation, please contact your Weidmüller representative.	



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

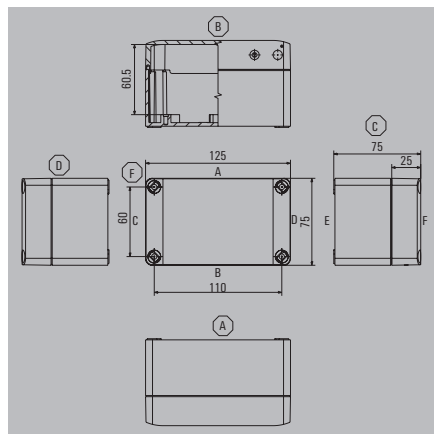
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

MPC 07/12/07

75 mm



75 / 125 / 75 mm

vertical	horizontal
1x13	1x13
1x11	1x11
1x8	1x8
1x6	1x6

A / B	C / D
1	4
1	3
1	3

Type	Qty.	Order No.
MPC 07/12/07 7035	1	9535170000
MPC 07/12/07 TRSP	1	9535180000

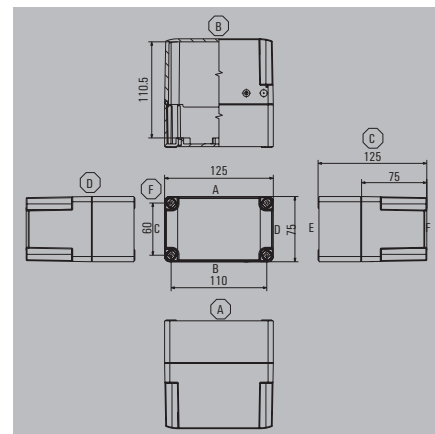
Type	Qty.	Order No.
MP MPC 07/12	10	9535540000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 ST MPC1217 VER	20	8000037598
TS15X5 ST MPC0712 VER	20	8000037599
TS 35x105_MPC_12	20	8000037603

MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 07/12/12

125 mm



75 / 125 / 125 mm

vertical	horizontal
1x13	1x13
1x11	1x11
1x8	1x8
1x6	1x6
1x5	1x1
1x4	1x1

A / B	C / D
1	4
1	3
1	3

Type	Qty.	Order No.
MPC 07/12/12 7035	1	9535210000
MPC 07/12/12 TRSP	1	9535220000

Type	Qty.	Order No.
MP MPC 07/12	10	9535540000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 MPC1217 VER	20	8000037598
TS15X5 MPC0712 VER	20	8000037599
TS 35x105_MPC_12	20	8000037603

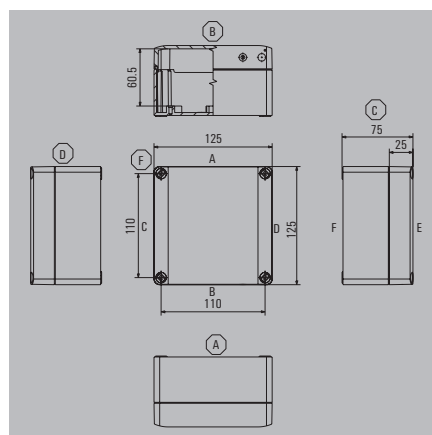
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 12/12/07

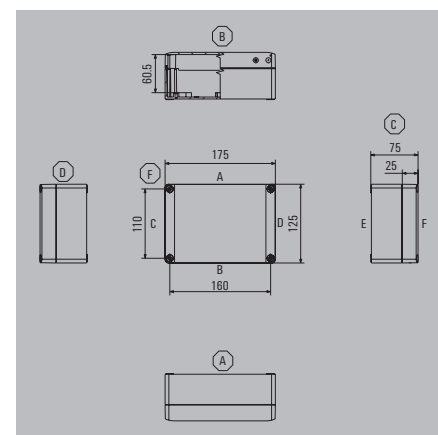
75 mm



125 / 125 / 75 mm

MPC 12/17/07

75 mm



125 / 175 / 75 mm

Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

vertical	horizontal
1x13	1x13
1x11	1x11
1x8	1x8
1x6	1x6

A / B	C / D
4	4
3	3
3	

vertical	horizontal
1x22	1x22
1x19	1x19
1x14	1x14
1x11	1x11

A / B	C / D
4	6
3	4
3	4

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Type	Qty.	Order No.
MPC 12/12/07 7035	1	9535230000
MPC 12/12/07 TRSP	1	9535240000

Type	Qty.	Order No.
MPC 12/17/07 7035	1	9535290000
MPC 12/17/07 TRSP	1	9535300000

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

Type	Qty.	Order No.
MP MPC 12/12	10	9535550000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 ST MPC1217 VER	20	8000037598
TS 35x105_MPC_12	20	8000037603
TS35 MPC 1717 VER	20	8000037605
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Type	Qty.	Order No.
MP MPC 12/17	1	9535560000
FKSC M4X6 D8/SW2	100	1567480000
TS 35x105_MPC_12	20	8000037603
TS35 MPC 1717 VER	20	8000037605
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

MPC – Polycarbonate enclosures



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

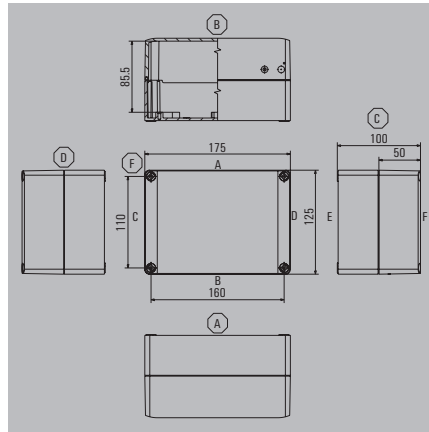
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

MPC 12/17/10

100 mm



125 / 175 / 100 mm

vertical	horizontal
1x22	1x22
1x19	1x19
1x14	1x14
1x11	1x11
1x9	1x5
1x7	1x4
A / B	C / D
4	6
3	4
3	4

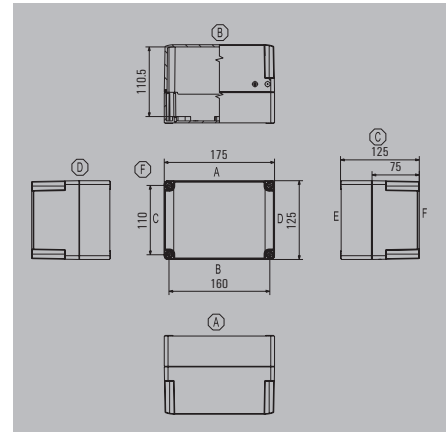
Type	Qty.	Order No.
MPC 12/17/10 7035	1	9535310000
MPC 12/17/10 TRSP	1	9535320000

Type	Qty.	Order No.
MP MPC 12/17	1	9535560000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 ST MPC1217 VER	20	8000037598
TS35 MPC 1717 VER	20	8000037605
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 12/17/12

125 mm



125 / 175 / 125 mm

vertical	horizontal
1x13	1x22
1x11	1x19
1x8	1x8
1x6	1x11
1x5	1x5
1x4	1x4
A / B	C / D
4	6
3	4
3	4

Type	Qty.	Order No.
MPC 12/17/12 7035	1	9535330000
MPC 12/17/12 TRSP	1	9535340000

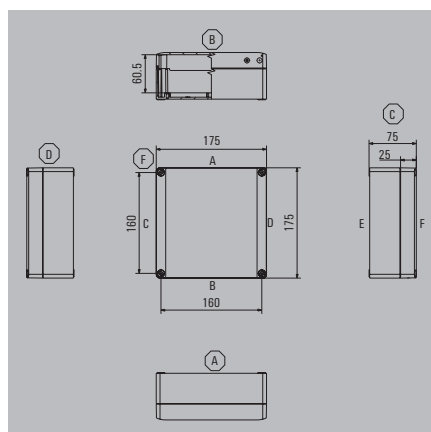
Type	Qty.	Order No.
MP MPC 12/17	1	9535560000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 MPC1217 VER	20	8000037598
TS35 MPC 1717 VER	20	8000037605
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 17/17/07

75 mm



Height / Width / Depth

175 / 175 / 75 mm

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

vertical	horizontal
1x22	1x22
1x19	1x19
1x14	1x14
1x11	1x11

A / B	C / D
6	6
4	4
4	

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Type	Qty.	Order No.
MPC 17/17/07 7035	1	9535370000
MPC 17/17/07 TRSP	1	9535380000

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

Type	Qty.	Order No.
MP MPC 17/17	1	9535570000
FKSC M4X6 D8/SW2	100	1567480000
TS 35x105_MPC_12	20	8000037603
TS35 MPC 1717 VER	20	8000037605
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

MPC – Polycarbonate enclosures



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

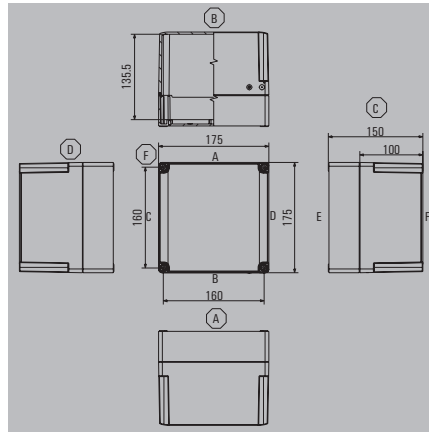
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

MPC 17/17/15

150 mm



175 / 175 / 150 mm

vertical	horizontal
1x22	1x22
1x19	1x19
1x14	1x14
1x11	1x11
1x9	1x9
1x7	1x7
A / B	C / D
6	6
4	4
4	

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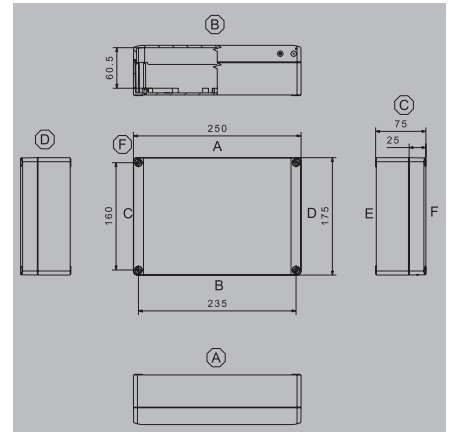
Type	Qty.	Order No.
MPC 17/17/15 7035	1	9535430000
MPC 17/17/15 TRSP	4	9535440000

Type	Qty.	Order No.
MP MPC 17/17	1	9535570000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 ST MPC1725 VER	20	8000037600
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 17/25/07

75 mm



250 / 175 / 75 mm

vertical	horizontal

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Type	Qty.	Order No.
MPC 17/25/07 7035	1	9535450000

Type	Qty.	Order No.
MP MPC 17/25	1	9535580000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 MPC1725 HOR	20	8000037601
TS35X7.5 MPC1725 VER	20	8000037600
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical
Horizontally

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

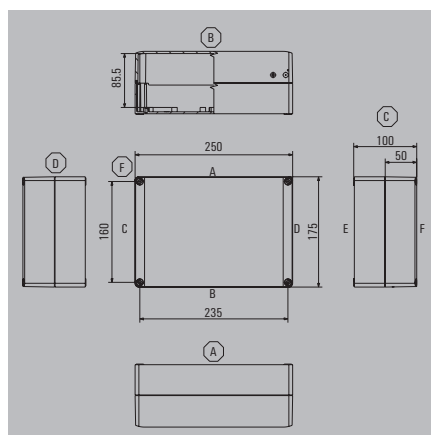
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

MPC 17/25/10

100 mm



175 / 250 / 100 mm

vertical	horizontal
1x37	1x37
1x31	1x31
1x23	1x23
1x19	1x19
1x15	1x9
1x11	1x7
A / B	C / D
6	9
4	7
4	6

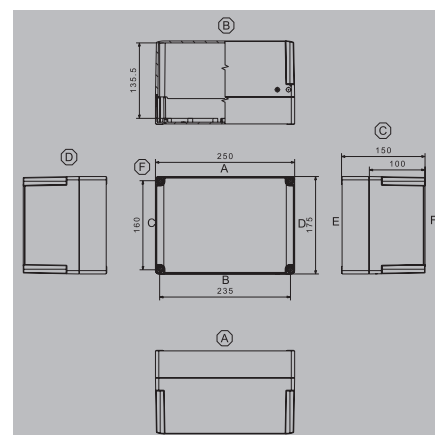
Type	Qty.	Order No.
MPC 17/25/10 7035	1	9535470000
MPC 17/25/10 TRSP	1	9535480000

Type	Qty.	Order No.
MP MPC 17/25	1	9535580000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 ST MPC1725 HOR	20	8000037601
TS35X7.5 ST MPC1725 VER	20	8000037600
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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MPC 17/25/15

150 mm



250 / 175 / 150 mm

vertical	horizontal
A / B	C / D
1	9
1	7
1	6

Type	Qty.	Order No.
MPC 17/25/15 7035	1	9535490000
MPC 17/25/15 TRSP	1	9535500000

Type	Qty.	Order No.
MP MPC 17/25	1	9535580000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 MPC1725 HOR	20	8000037601
TS35X7.5 MPC1725 VER	20	8000037600
MF MPC	1	9535600000
HG MPC	1	9535590000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

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FPC – Medium-sized polycarbonate enclosures

The FPC enclosure range is the next generation of the MPC range. The enclosures have the same technical characteristics and are ideal for enclosing electrical, electro-mechanical and pneumatic devices and PCBs. The enclosures are used in situations where extreme mechanical and chemical conditions exist.

The characteristics of the enclosures are:

- Available in 6 sizes, with grey or transparent lids
- Lid fixing screws equipped with sealing holes
- Fixing holes outside the sealed area
- Thread for fitting to terminal rails, mounting plates and PCBs

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.



Overview of enclosures

Ordering data

Description	Dimensions in mm	Grey lid	Transparent lid
FPC 20/20/13	200 x 200 x 132	9535690000	9535680000
FPC 20/30/13	200 x 300 x 132	9535710000	9535700000
FPC 20/40/13	200 x 400 x 132	9535730000	9535720000
FPC 30/30/13	300 x 300 x 132	9535750000	9535740000
FPC 30/40/13	300 x 400 x 132	9535770000	9535760000
FPC 40/60/13	400 x 600 x 132	9535810000	9535820000
Note			

Technical data

	Grey lid	Transparent lid
Enclosure material	Base and lid made of glass-fibre reinforced polycarbonate	Base made of glass-fibre reinforced polycarbonate, ABS lid
Cover	Grey	Transparent
Surface finish	Grey, similar to RAL 7035	Grey, similar to RAL 7035
IP protection class	IP 66, IP 67	IP 66, IP 67
Installation mounting	Self-tapping screws	Self-tapping screws
Enclosure mounting	4 holes (7.5 mm diameter) or external mounting brackets (optional)	4 holes (7.5 mm diameter) or external mounting brackets (optional)
Lid fixing	4 or 6 cross-head screws (polyamide)	4 or 6 cross-head screws (polyamide)
Gasket material	Polyurethane foam	Polyurethane foam
Temperature range	-50 °C...+100 °C	-40 °C...+60 °C
Impact resistance	IK 08	IK 06
Note		
For details of power dissipation, please contact your Weidmüller representative.		



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

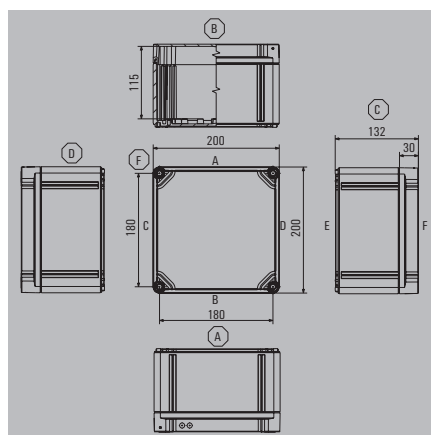
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

FPC 20/20/13

132 mm



200 / 200 / 132 mm

vertical	horizontal
1x17	1x17
1x14	1x14
1x10	1x10
1x8	1x8
1x7	1x7
1x5	1x5
A / B	C / D
20	20
11	11
6	6
4	4
2	2
1	1
1	1
1	1

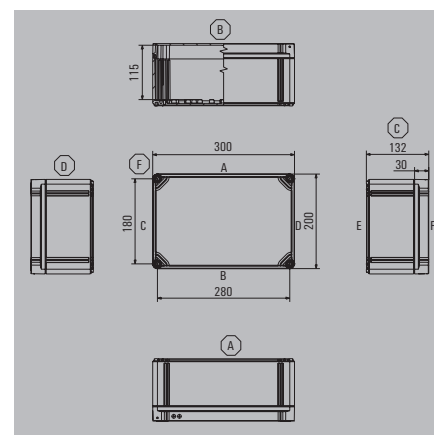
Type	Qty.	Order No.
FPC 20/20/13 7035	1	9535690000
FPC 20/20/13 TRSP	1	9535680000

Type	Qty.	Order No.
MP FPC 20/20	1	9535920000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 ST FPC 20 VER	20	8000037604
TS35X7.5 ST FPC 20 HOR	20	8000037557
TS35X7.5 ST FPC 20 VER	20	8000037558
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

FPC 20/30/13

132 mm



200 / 300 / 132 mm

vertical	horizontal
2x20	1x40
2x17	1x33
2x13	2x13
2x10	1x20
2x8	1x17
2x6	1x12
A / B	C / D
38	20
21	11
12	6
8	4
3	2
3	1
2	1
2	1

Type	Qty.	Order No.
FPC 20/30/13 7035	1	9535710000
FPC 20/30/13 TRSP	1	9535700000

Type	Qty.	Order No.
MP FPC 20/30	1	9535930000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 FPC 20 VER	20	8000037604
TS35X7.5 FPC 30 HOR	20	8000037559
TS35X7.5 FPC 20 VER	20	8000037558
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note



Height / Width / Depth

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical

Mounting rails, TS35x7.5

Horizontally
Vertically

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

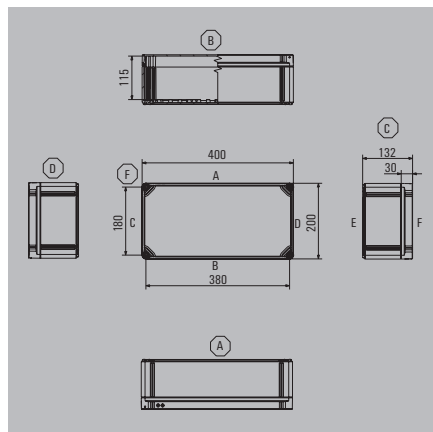
Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Note

FPC 20/40/13

132 mm



200 / 400 / 132 mm

vertical	horizontal
3x20	1x59
3x17	1x49
3x13	3x13
3x10	1x30
3x8	1x25
3x6	1x19
A / B	C / D
56	20
30	11
18	6
12	4
5	2
4	1
4	1
3	1

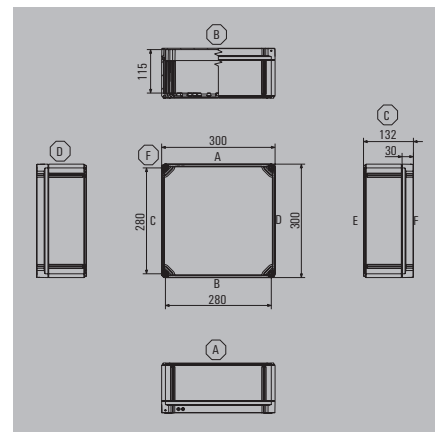
Type	Qty.	Order No.
FPC 20/40/13 7035	1	9535730000
FPC 20/40/13 TRSP	1	9535720000

Type	Qty.	Order No.
MP FPC 20/40	1	9535940000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 ST FPC 20 VER	20	8000037604
TS35X7.5 ST FPC 40 HOR	20	8000037560
TS35X7.5 ST FPC 20 VER	20	8000037558
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note

FPC 30/30/13

132 mm



300 / 300 / 132 mm

vertical	horizontal
2x40	1x40
2x33	1x33
2x25	2x25
2x20	1x20
2x17	1x17
2x12	1x12
A / B	C / D
38	38
21	21
12	12
8	8
3	3
3	3
2	2
2	2

Type	Qty.	Order No.
FPC 30/30/13 7035	1	9535750000
FPC 30/30/13 TRSP	1	9535740000

Type	Qty.	Order No.
MP FPC 30/30	1	9535950000
FKSC M4X6 D8/SW2	100	1567480000
TS15X5 FPC 20 VER	20	8000037604
TS35X7.5 FPC 40 HOR	20	8000037560
TS35X7.5 FPC 20 VER	20	8000037558
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

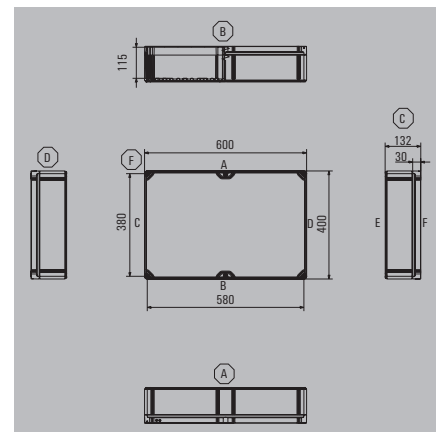
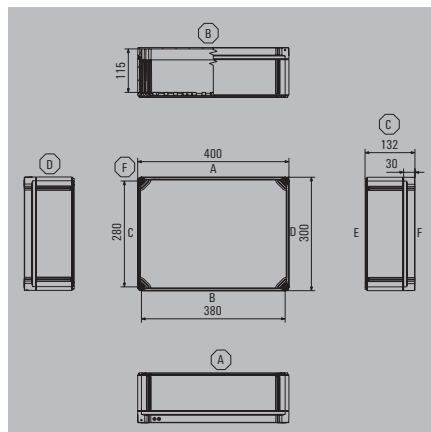
Note

FPC 30/40/13

132 mm

FPC 40/60/13

132 mm



Height / Width / Depth

300 / 400 / 132 mm

400 / 600 / 132 mm

Technical data

Assembly with terminal

2.5 mm²
4 mm²
6 mm²
10 mm²
16 mm²
35 mm²

Guide value for max. number of cable entries

M12
M16
M20
M25
M32
M40
M50
M63
M75

Note

vertical	horizontal
3x40	1x59
3x33	1x49
3x25	3x25
3x20	1x30
3x17	1x25
3x12	1x19
A / B	C / D
56	38
30	21
18	12
12	8
5	3
4	3
4	2
3	2

vertical	horizontal
5x59	2x97
5x49	2x81
5x37	5x37
5x30	2x49
5x25	2x41
5x19	2x31
A / B	C / D
76	56
42	30
24	18
16	12
6	5
6	4
4	4
4	3

Ordering data

Enclosure with grey lid
Enclosure with transparent lid

Note

Type	Qty.	Order No.
FPC 30/40/13 7035	1	9535770000
FPC 30/40/13 TRSP	1	9535760000

Type	Qty.	Order No.
FPC 40/60/13 7035	1	9535810000
FPC 40/60/13 TRSP	1	9535820000

Accessories

Mounting plates and fastening screws

Steel sheet, zinc plated
M4 screw

Mounting rails, TS15x5

Vertical

Mounting rails, TS35x7.5

Horizontally
Vertical

External mounting lug, set of 4

Hinge, set of 2

Earthing stud

Brass, M6
Stainless steel 1.4404, M6
Brass, M10
Stainless steel 1.4404, M10

Pressure compensation elements

Polyamide 6, M12
Stainless steel 1.4305, M12

Type	Qty.	Order No.
MP FPC 30/40	1	9535960000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 ST FPC 40 HOR	20	8000037560
TS35X7.5 ST FPC 30 VER	20	8000037561
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Type	Qty.	Order No.
MP FPC 40/60	1	9535980000
FKSC M4X6 D8/SW2	100	1567480000
TS35X7.5 FPC 60 HOR	20	8000037563
TS35X7.5 FPC 40 VER	20	8000037562
MF FPC	1	9536040000
HG FPC	1	9535990000
PEBZ M6 BR SET	1	1277250000
PEBZ M6 S4 SET	1	1283430000
PEBZ M10 BR SET	1	1277220000
PEBZ M10 S4 SET	1	1283440000
DAE M12 PA LONG	10	1868570000
DAE M12 SS	10	1868550000

Note